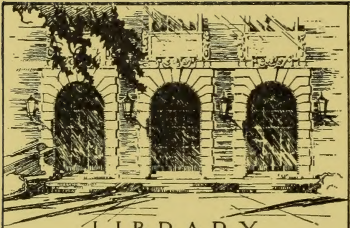

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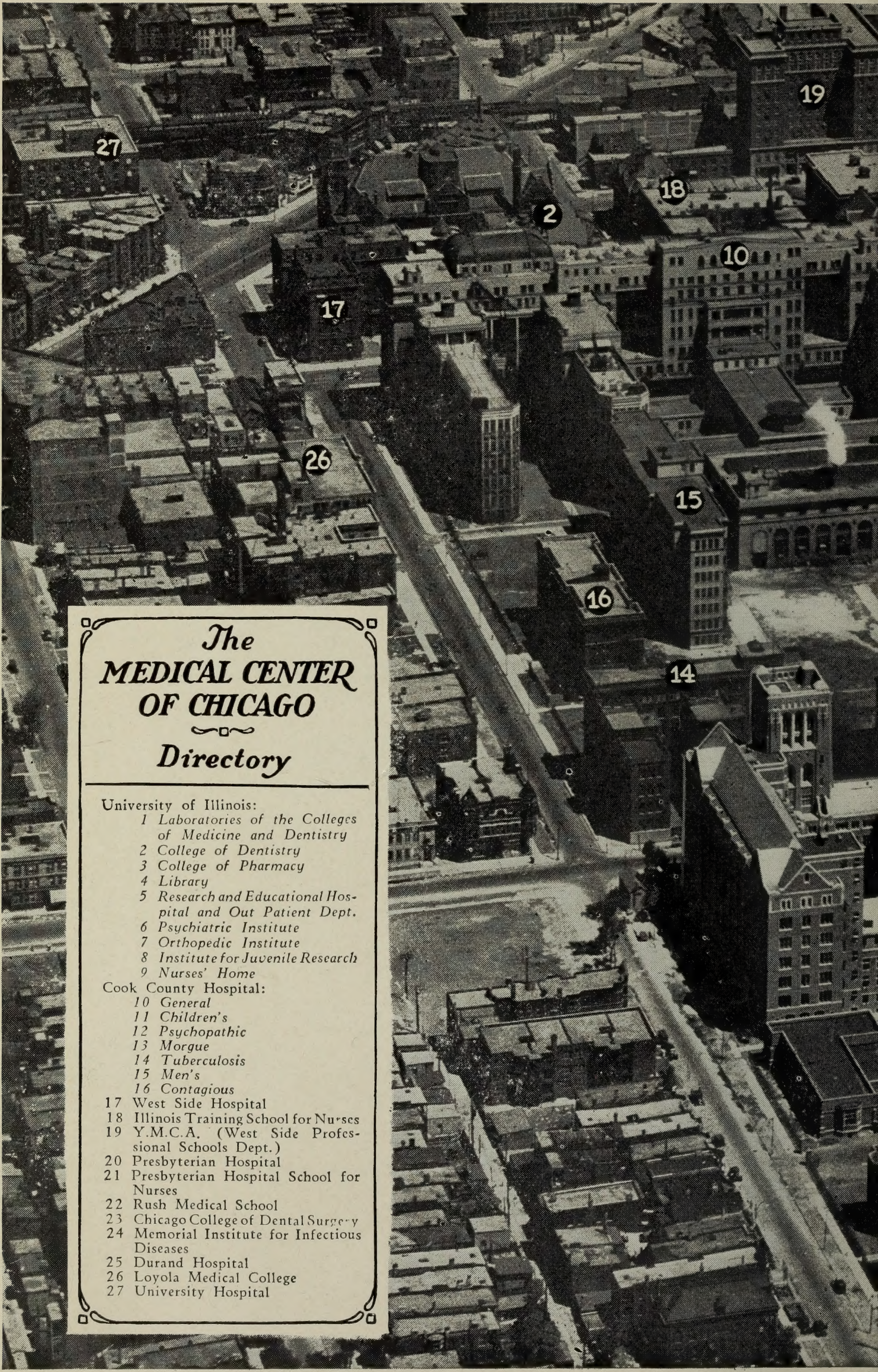

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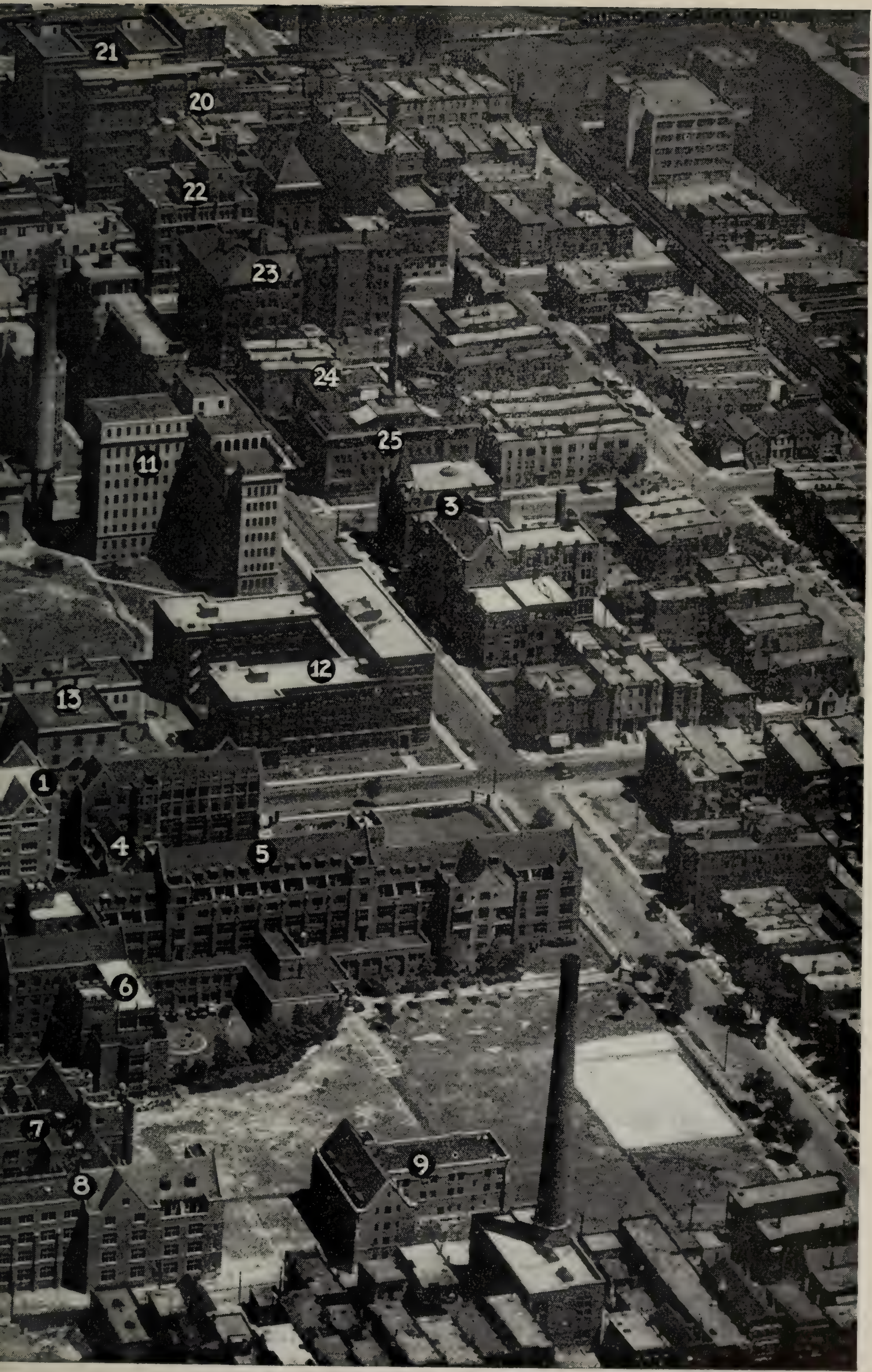
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COLLEGE CALENDAR

First Semester

1934

Sept. 24-29, Monday-Saturday	Special examinations.
Oct. 1, Monday, 8 A.M. to 5 P.M.	Registration and payment of fees.
Oct. 2, Tuesday, 8 A.M.	Instruction begun.
Nov. 28, Wednesday, 12 M.	Thanksgiving recess begun.
Dec. 3, Monday, 8 A.M.	Instruction resumed.
Dec. 22, Saturday, 12 M.	Holiday recess begun.

1935

Jan. 3, Thursday, 8 A.M.	Instruction resumed.
Jan. 28, Monday	Semester examinations begun.
Feb. 2, Saturday	Semester examinations ended.

Second Semester

Feb. 4, Monday, 8 A.M. to 5 P.M.	Registration and payment of fees.
Feb. 5, Tuesday, 8 A.M.	Instruction begun.
Apr. 18, Thursday, 6 P.M.	Easter recess begun.
Apr. 22, Monday, 8 A.M.	Instruction resumed.
May 20, Monday	Second-year and fourth-year final examinations begun.
May 25, Saturday	Second-year and fourth-year final examinations ended.
May 27, Monday	First-year and third-year final examinations begun.
June 1, Saturday	First-year and third-year final examinations ended.
June 6, Thursday	Class day and alumni meeting.
June 7, Friday	Commencement exercises.

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(Term 1931-1937)

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Edward E. Barrett	400 N. Michigan Avenue, Chicago
Walter W. Williams	Benton

(Term 1933-1939)

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Policy and Discipline.—Dean Davis (Chairman), Dean Day, Dean Noyes.

Standing Committees of the College of Medicine, 1934-35

Alumni Relations.—Phifer (Chairman), Browne, Stricher, Welker.

Circular.—Moon (Chairman), Cooper, Jones.

Curriculum.—Keeton (Chairman), Falls, Hedblom,* Kampmeier, McGuigan, Petersen, Singer, Visscher, Welker.

Dispensary.—Moore (Chairman), Hartung, Senear, Van Hazel.

Examinations.—Moon (Chairman), Hedblom,* McGuigan, Falls, Gellhorn, Keeton, Petersen, Kampmeier.

Extra-Curricular Programs.—Moon (Chairman), McGuigan, Petersen, Poncher, Welker.

Fifth Year.—Pilot (Chairman), Blatt, Keaton, Moore.

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*Deceased June 6, 1934.

FACULTY OF THE COLLEGE OF MEDICINE
1933-34

(For alphabetic index, see page 18.)

Henry Parker Newman, A.M., M.D., *Professor of Gynecology,* Emeritus

Henry Turman Byford, A.M., M.D., *Professor of Gynecology,* Emeritus

Frank Breckenridge Earle, M.D., *Professor of Pediatrics,* Emeritus

William Allen Pusey, A.M., M.D., *Professor of Dermatology,* Emeritus

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Casey A. Wood, A.M., M.D., *Professor of Ophthalmology,* Emeritus

Charles Davison, A.M., M.D., *Professor of Surgery,* Emeritus

Frederick Tice, M.D., *Professor of Medicine,* Emeritus

Norval Harvey Pierce, M.D., *Professor of Laryngology, Rhinology, and Otology, and Head of the Department,* Emeritus

Charles Sumner Bacon, Ph.B., M.D., D.Sc., *Professor of Obstetrics,* Emeritus

William Elliott Gamble, B.S., M.D., *Professor of Ophthalmology,* Emeritus

Louis Schultz, D.D.S., M.D., *Professor of Oral Surgery and Pathology,* Emeritus

Joseph Clar Beck, M.D., *Associate Professor of Laryngology, Rhinology, and Otology,* Emeritus

Elmer DeWitt Brothers, B.S., LL.B., *Lecturer in Medical Jurisprudence,* Emeritus

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Julius Hayes Hess, M.D., *Professor of Pediatrics and Head of the Department*

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William F. Petersen, B.S., M.D., *Professor of Pathology*

Adolph Hartung, M.D., *Professor of Roentgenology*

Albert Bachem,[1] Ph.D., *Professor of Biophysics*

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[1] On leave of absence for six months beginning February 1, 1934.

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ELLIS BENJAMIN FREILICH, M.D., *Associate Professor of Medicine*

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*Deceased June 6, 1934.

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NOBEL GUSTAF JOHNSON,[1] A.B., J.D., *Associate in Medical Jurisprudence*
MAXWELL GITELSON,[1] B.S., M.D., *Associate in Criminology, Social Hygiene, and Medical Jurisprudence*

---

[1] Second semester.

Special Lecturers

CLARENCE WEINERT MUEHLBERGER, Ph.D., *Lecturer in Toxicology*
WARREN GARFIELD MURRAY, M.D., *Lecturer in Criminology*
MAJOR HENRY WORTHINGTON, M.D., *Lecturer in Hospital Organization and Administration*
RODNEY HOWE BRANDON,[2] *Lecturer in Criminology, Social Hygiene, and Medical Jurisprudence*

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MAURICE JOSEPH ROSE, B.S., M.D., *Instructor in Obstetrics and Gynecology*
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WALTER RATHFON FISCHER, B.S., M.D., *Instructor in Orthopaedics*
DAVID ARTHUR WILLIS, B.S., M.D., *Instructor in Surgery*
HAROLD IRVING MEYER, M.S., M.D., *Instructor in Surgery*
CARL L. COHEN, B.S., M.D., *Instructor in Pediatrics*
BENJAMIN MORDECAI LEVIN, B.S., M.D., *Instructor in Pediatrics*
RUDOLPH JUSTUS EMANUEL ODEN, A.B., M.D., *Instructor in Surgery*
NORBERT PAUKER, B.S., M.D., *Instructor in Pediatrics*
EMIL JAMES STEIN, M.D., *Instructor in Anatomy and in Surgery*
JOSEPH WALKON PLATIN, M.D., *Instructor in Genito-Urinary Surgery*
JOHN AMBROSE CLARK BUSBY, M.S., M.D., *Instructor in Obstetrics and Gynecology*
LOUIS JOSEPH HALPERN, B.S., M.D., *Instructor in Pediatrics*
ALFONS R. BACON, B.S., M.D., *Instructor in Obstetrics*
ABE LOUIS AARONSON, M.S., M.D., *Instructor in Medicine*
MAT BLOOMFIELD, B.S., M.D., *Instructor in Obstetrics*
LOUIS BERNARD KARTOON,[3] B.S., M.D., *Instructor in Medicine*
PERCY JOSEPH DELANO, B.S., M.D., *Instructor in Surgery*
JOHN ANTHONY SULDANE, M.D., *Instructor in Pediatrics*
MARION HOOD, A.M., *Instructor in Medicine*
LOUIS N. BOELIO, B.S., M.D., *Instructor in Anatomy*
MAX ELEAGER FISCH, M.S., M.D., *Instructor in Anatomy and in Medicine*
ROBERT PRESTON MACFATE, Ch.E., M.S., *Instructor in Physiological Chemistry and Hospital Chemist in the Hospital Laboratory*
HENRY R. KRASNOW, M.D., *Instructor in Dermatology*
TIMOTHY FRANCIS MULLEN, B.S., M.D., *Instructor in Orthopaedics*
OSCAR BENJAMIN RAGINS, B.S., M.D., *Instructor in Medicine*
IRWIN G. SPIESMAN, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
HERBERT ELI MCDANIELS, M.S., *Instructor in Pathology, Bacteriology, and Public Health*
HECTOR MORRISON ROSS, M.D., *Instructor in Orthopaedics*
CARL OSCAR ALMQUIST, B.S., M.D., *Instructor in Surgery*
ARCHIE CECIL KANE, M.D., C.M., *Instructor in Laryngology, Rhinology, and Otology*
CARL APPLE, B.S., M.D., *Instructor in Ophthalmology*

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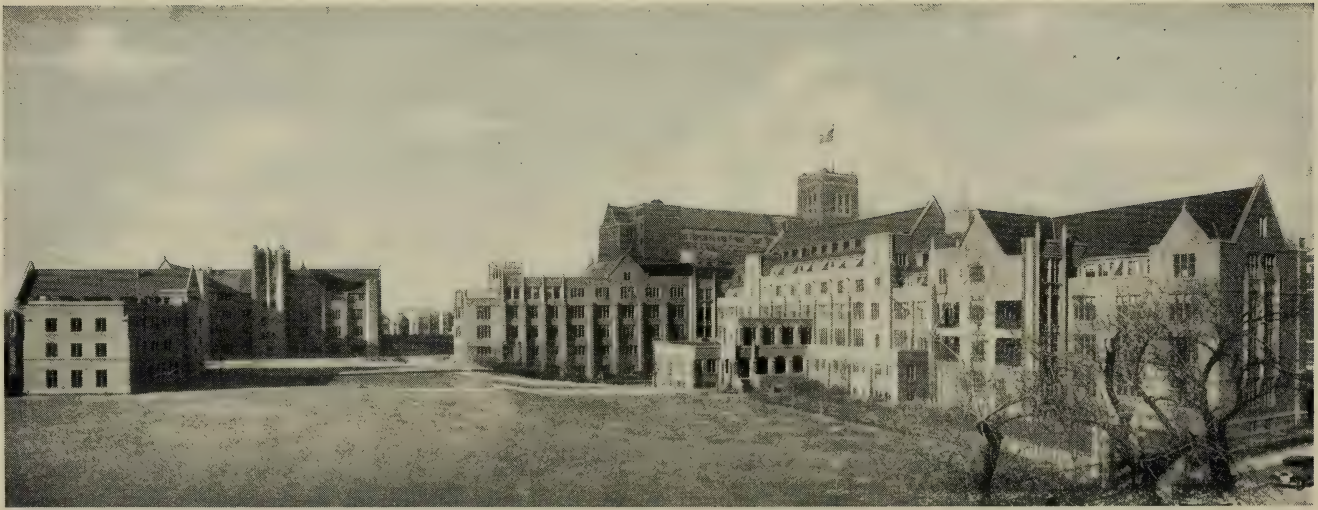
[2] Beginning January 1, 1934.
[3] Resigned November 15, 1933.

The Main Laboratory Building of the Colleges of Medicine and Dentistry



The Campus Viewed from the Southeast, With the Research and Educational Hospital in the Foreground

Harold Herrin Hill, B.S., M.D., *Instructor in Obstetrics and Gynecology*
Clarence A. Johnson, Ph.D., *Instructor in Physiological Chemistry*
Samuel Kaplan, M.S., M.D., *Instructor in Obstetrics and Gynecology*
Alfred Julian Kobak, M.S., M.D., *Instructor in Obstetrics and Gynecology*
Jane Rose McLaughlin, A.B., R.N., *Instructor in Obstetrics and Gynecology*
Alexander George Marshall, B.S., M.D., *Instructor in Surgery*
Minnie Oboler Perlstein, B.S., M.D., *Instructor in Dermatology*
Carlo Salvadore Scuderi, B.S., M.D., *Instructor in Surgery*
Milton Joseph Summerville, A.B., M.D., *Instructor in Obstetrics and Gynecology*
Oliver Edward VanAlyea, B.S., M.D., *Instructor in Laryngology, Rhynology, and Otology*
Arthur Jethro Coombs, A.B., M.D., *Instructor in Laryngology, Rhinology, and Otology*
John W. Harned, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
Ford Kimmel Hick, B.S., M.D., *Instructor in Medicine*
Paul Winston Smith, M.S., *Instructor in Physiology*
Claude Needham Lambert, A.B., M.D., *Instructor in Orthopaedics*
Earle Rupert Pace, A.B., M.D., *Instructor in Dermatology*
Irving Richard Abrams, B.S., M.D., *Instructor in Pediatrics*
Melvin Louis Afremow, M.S., M.D., *Instructor in Medicine*
William S. Boikan, M.S., M.D., *Instructor in Medicine and in Pathology, Bacteriology, and Public Health*
Myrtle Barbara Crudim, B.S., M.D., *Instructor in Medicine*
George Edward DeTrana, B.S., M.D., *Instructor in Medicine*
Hymen William Golub, B.S., M.D., *Instructor in Medicine*
Eugene Grosz, M.D., *Instructor in Medicine*
Julius A. Gurvey, B.S., M.D., *Instructor in Medicine*
Melvin Reese Guttman, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
Benjamin Pearlman, B.S., M.D., *Instructor in Medicine*
Lars Freman Gulbrandsen, M.D., *Instructor in Bacteriology and Public Health*
Herman Louis Mishkin, B.S., M.D., *Instructor in Surgery*
Samuel Mordecai Morwitz, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
Louis William Schultz, D.D.S., B.S., M.D., *Instructor in Surgery*
Charles Otis Smith, A.B., B.S., M.D., *Instructor in Obstetrics*
Leon Krohn, B.S., M.D., *Instructor in Obstetrics and Gynecology*
Samuel Peluse, B.S., M.D., *Instructor in Medicine*
Colquitt Otis Ritch, B.S., M.D., *Instructor in Surgery*
George Thomas Murphy, M.S., M.D., *Instructor in Surgery*
Philip Frederic Schneider, M.D., *Instructor in Obstetrics and Gynecology*
Reuben Isadore Klein, M.S., M.D., *Instructor in Pathology*
Noah Daniel Fabricant, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
Louis Zolo Fishman, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology, and Assistant in Anatomy*[4]

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[4] Beginning December 1, 1933.

Elvin Mann Hartlett, M.D., *Instructor in Laryngology, Rhinology and Otology*
Victor Levine, B.S., M.D., *Instructor in Pathology*
Benjamin Harold Neiman, B.S., M.D., *Instructor in Pathology*
George L. Percy, Jr., B.S., M.D., *Instructor in Surgery*
Henry Chaskell Schorr, B.S., M.D., *Instructor in Dermatology*
Abraham Risel Hollender, M.D., *Instructor in Laryngology, Rhinology, and Otology*
Jerry Joseph Kearns, B.S., M.D., *Instructor in Pathology*
Emil Weiss, M.D., *Instructor in Pathology and Bacteriology*
Samuel Henry Kraines, B.S., M.D., *Instructor in Neuropsychiatry*
William Kenneth Ford,[4] M.D., *Instructor in Dermatology*
Frank Herman Fowler,[5] M.D., *Instructor in Pathology*
Alex Benjamin Ragins,[5] M.S., M.D., *Instructor in Pathology*
Carroll W. Stuart,[5] D.D.S., M.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
David Mansowit,[6] B.S., M.D., *Instructor in Pediatrics*

Assistants

Benjamin Braude, M.S., M.D., *Assistant in Surgery*
Samuel Jacob Burrows,[7] M.D., *Assistant in Anatomy*
Morris Louis Parker, B.S., M.D., *Assistant in Surgery*
Herman J. Pilka, B.S., M.D., *Assistant in Anatomy*
Hedvig Kleppe, A.B., *Assistant in Clinical Pathology*
Jacob Paskind, M.D., *Assistant in Neuropsychiatry*
Mrs. Dorothy Dickson Bone, A.B., *Assistant in Medicine*
Clara Deborah Tigay, A.B., M.D., *Assistant in Pediatrics*
Adeline Rawson White, B.S., M.D., *Assistant in Anatomy*
Frances Agnes Briggs, M.S., *Assistant in Physiological Chemistry*
Samuel Isaac Weiner,[7] B.S., M.D., *Assistant in Anatomy*
Herman Alfred Jacobson, B.S., M.D., *Assistant in Obstetrics and Gynecology*
Marshall Wells Alcorn, B.S., M.D., *Assistant in Surgery*
Mrs. Rebecca Isabelle Clark-Dorrell, B.S., *Assistant in Clinical Pathology*
Cecil Claude Harvey, M.S., *Assistant in Physiological Chemistry*
John A. Higgins, D.D.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
Milo Edward Vacin, M.D., *Assistant in Anatomy*
Mrs. Ruth Lebensart, M.D., *Assistant in Neuropsychiatry*
Meredith Louis Hult Ostrom, M.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Raymond Clifford Ingraham, Ph.D., *Assistant in Physiology*
Helen Woodward, M.S., *Research Assistant in Pediatrics*
Cecil David Brown, B.S., M.D., *Assistant in Surgery*
Charles Drueck, Jr., M.D., *Assistant in Surgery*
John Talbot Gernon, B.S., M.D., *Assistant in Urology*
Howard Chester Peters, B.S., *Assistant in Physiology*
Sydney Richard Forkosh, B.S., M.D., *Assistant in Obstetrics and Gynecology*

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[4] Beginning December 1, 1933.
[5] Beginning January 1, 1934.
[6] Beginning March 15, 1934.
[7] First semester.

Harold Leo Klawans, B.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Harold Shellow, B.S., M.D., *Assistant in Dermatology*
Emanuel Padnos, B.S., M.D., *Assistant in Pediatrics*
Mrs. Marie K. Bepko, *Assistant in Anatomy*
Virgil Arnett Gant, M.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
William James Gillesby, B.S., *Assistant and Senior Resident in Surgery*
John Charles McMillan, Jr., B.S., M.D., *Assistant in Medicine*
Bronislava Z. Reznick, M.D., *Assistant in Ophthalmology*
Martin Henry Seifert, Ph.G., B.S., M.D., *Assistant in Anatomy*
David Charles Simon, B.S., M.D., *Assistant in Medicine*
Theodore John Wachowski, B.S., M.D., *Assistant in Roentgenology and Roentgen Operator*
Richard Milton Davison, M.D., M.S., *Assistant in Surgery*
Hugh Arthur McKinley, A.B., M.D., *Assistant in Pediatrics*
Maurice Schneider, M.D., *Assistant in Pediatrics*
Harold Vivian Wadsworth, M.D., *Assistant in Laryngology, Rhinology, and Otology*
Mrs. Janet Thayer Conway, M.S., M.D., *Assistant in Obstetrics and Gynecology*
Jack D. Kirshbaum, M.D., *Assistant in Medicine*
Edward Kuchlewski, B.S., M.D., *Assistant in Pathology, Bacteriology, and Public Health*
Frederick William Schacht, M.S., M.D., *Assistant in Urology*
Elmer Emanuel Swanson, A.B., B.S., M.D., *Assistant in Anatomy*
John Courier Garland, B.S., M.D., *Assistant in Surgery*
John Michael Benedetto, B.S., M.D., *Assistant in Medicine*
Samuel Henry Rosenblum, B.S., M.D., *Assistant in Medicine*
Albert Alan Best, M.D., *Assistant in Surgery*
Mrs. Irene Case Sherman, Ph.D., M.D., *Assistant in Neuropsychiatry*
Walter Hilmar Baer, B.S., M.D., *Assistant in Neuropsychiatry*
Robert Moore Jones, A.B., M.D., *Assistant in Medicine*
Philip Montgomery Law, M.D., *Assistant in Medicine*
Mrs. Rudla Burns Rind, B.S., M.D., *Assistant in Medicine*
Roy Otis Riser, B.S., M.D., *Assistant in Ophthalmology*
Irving Dreyer, M.S., M.D., *Assistant in Medicine and in Pathology*[8]
Henry Pickett Dorman, M.D., Ph.D., *Assistant in Medicine*
Morris Aaron Kaplan, M.S., M.D., *Assistant in Medicine*
Everett Arthur Grimmer, D.D.S., *Assistant in Orthopaedics*
Henry Abraham Siegal, B.S., M.D., *Assistant in Medicine*
Sol M. Abelson, B.S., M.D., *Assistant in Pediatrics*
Jacob Joseph Baratz, B.S., M.D., *Assistant in Pediatrics*
Irvin Charles Braun,* D.D.S., *Assistant in Surgery*
Roosevelt Brooks, M.D., *Assistant in Ophthalmology*
James Wilson Clark, B.S., M.D., *Assistant in Ophthalmology*
Josephine Marion Dyniewicz, Ph.G., Ph.C., *Assistant in Pharmacology, Materia Medica, and Therapeutics*

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[8] Beginning January 1, 1934.

*Deceased March 1, 1934.

LORING SMITH HELFRICH, B.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*

EDGAR HERMAN ARTHUR KRAMP, B.S., D.D.S., *Assistant in Oral Surgery, and Instructor in Dental Pathology and Therapeutics.*

HARRY M. LEVY, B.S., M.D., *Assistant in Pediatrics*

GEORGE WILLIAM MARQUARDT, D.D.S., *Assistant in Oral Surgery*

DAVID WILMARTH NORTHUP, B.M., A.M., *Assistant in Physiology*

GEORGE HENRY REZEK, A.B., M.D., *Assistant and Out-Patient Resident in Obstetrics and Gynecology*

KEITH RHEA, B.S., *Assistant in Anatomy*

ALBINA SRUOGINS, *Assistant in Pathology and Bacteriology*

JOHN ROBERT WOLFF, M.D., *Assistant and In-Patient Resident in Obstetrics and Gynecology*

LEON JUDAH ARIES, M.S., M.D., *Assistant in Anatomy*

DAVID SMEATON JAFFRAY, B.S., M.D., *Assistant in Surgery*

WILLIAM VERNON NEWMAN, A.B., M.D., *Assistant and Resident in Orthopaedics*

JOHN TODD REYNOLDS, M.S., *Assistant in Anatomy*

LOUIS BERNARD SHAPIRO, B.S., M.D., *Assistant in Neuropsychiatry*

ISADORE ELIHU STECK, M.S., M.D., *Assistant in Physiology*

FREDERICK STEIGMANN, B.S., M.D., *Assistant in Medicine*

IRVING DANA THRASHER, B.S., M.D., *Assistant and First Junior Resident in Surgery*

HOMER VERNON WILBURN, A.B., M.D., *Assistant in Medicine*

ROBERT SHERMAN BALDWIN, B.S., M.D., *Assistant in Anatomy*

FRANK JOSEPH FARA, JR., B.S., M.D., *Assistant in Anatomy*

HENRY A. GREENEBAUM, B.S., M.D., *Assistant in Medicine*

WILLIAM HENRY HAINES, B.S., M.D., *Assistant and Senior Resident in Neuropsychiatry*

WILLIAM BESTEDER BRADLEY, B.S., *Assistant in Physiological Chemistry*

MILTON WILLIAM EISENSTEIN, B.S., M.D., *Assistant in Medicine*

HAROLD MARK HOOVER,[9] B.S., M.D., *Assistant in Medicine*

EMORY ROSS STRAUSER,[9] Ph.D., M.D., *Assistant in Medicine*

CLAIR MARTIN CAREY,[10] B.S., M.D., *Assistant in Obstetrics and Gynecology*

NATHAN HENRY FOX,[10] B.S., M.D., *Assistant in Ophthalmology*

ROBERT GRANTHAM HICKERSON,[11] B.S., M.D., *Assistant in Medicine*

JAY WEBB LOWELL,[10] M.D., *Assistant in Ophthalmology*

JOHN PATRICK MULCAHY,[10] B.S., M.D., *Assistant in Ophthalmology*

EUGENE JOHN ROONEY,[9] M.D., *Assistant in Medicine*

MILTON CHARLES SCHELL,[11] M.D., *Assistant in Medicine*

KARL WILLIAM SCHLEGEL,[12] M.S., M.D., *Assistant in Pathology*

JOHN WILLIAM WALL,[9] B.S., M.D., *Assistant in Medicine*

THADDEUS M. KOPPA,[11] M.D., *Assistant in Medicine*

SAMUEL IRWIN DITKOWSKY,[13] B.S., M.D., *Assistant in Medicine*

HOWARD JACK LEVINE,[12] B.S., M.D., *Assistant in Medicine*

WILLIAM HOWARD NEWTON,[12] B.S., M.D., *Assistant in Medicine*

EDWIN WILLIAM PASSARELLI,[14] B.S., M.D., *Assistant in Medicine*

ABRAHAM HAPPY RUDOLPH,[13] B.S., M.D., *Assistant in Medicine*

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[9] Beginning November 1, 1933.

[10] Beginning December 1, 1933.

[11] Beginning December 15, 1933.

[12] Beginning January 1, 1934.

[13] Beginning January 15, 1934

[14] Beginning February 1, 1934.

EDWARD CHARLES BERNELL,[15] M.S., M.D., *Assistant in Obstetrics and Gynecology*
JACOB WARREN FISCHER,[16] B.S., M.D., *Assistant in Medicine*
EMANUEL ALOYSIUS KOMINIK,[16] B.S., M.D., *Assistant in Pathology and Bacteriology*
MILTON MITCHELL MOSKO,[16] B.S., M.D., *Assistant in Medicine*
HORACE EDWARD TURNER,[15] B.S., M.D., *Assistant in Medicine*
HOWARD ZEITLIN,[15] M.S., M.D., *Assistant in Neuropsychiatry*
ALBERT JOHN GLOSS,[17] B.S., M.D., *Assistant in Medicine*
BENJAMIN HERZL LERNER,[17] B.S., M.D., *Assistant in Medicine*

Librarians

METTA MAY LOOMIS, *Librarian*
MARGARET MARY BATES, *Library Assistant*

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[15] Beginning March 15, 1934.
[16] Beginning April 1, 1934.
[17] Beginning May 1, 1934.

INDEX TO NAMES OF MEMBERS OF THE FACULTY
1933-34

Name	*Department*	*Rank*
Aaronson, A. L.	Medicine	Instructor
Abelson, S. M	Pediatrics	Assistant
Abrams, I. R.	Pediatrics	Instructor
Afremow, M. L.	Medicine	Instructor
Alcorn, M. W.	Surgery	Assistant
Almquist, C. O.	Surgery	Instructor
Apple, Carl	Ophthalmology	Instructor
Aries, L. J.	Anatomy	Assistant
Arnold, L.	Bacteriology	Professor
Bachem, A	Physiology	Professor
Bacon, A. R.	Obstetrics	Instructor
Baer, W. H.	Neuropsychiatry	Assistant
Baldwin, R. S.	Anatomy	Assistant
Bamberger, A.	Surgery	Assistant Professor
Baratz, J. J.	Pediatrics	Assistant
Barrick, R. G.	Criminology	Assistant Professor
Beach, S. C.	Pathology	Associate
Beard, H.	Ophthalmology	Associate Professor
Becker, I.	Medicine	Associate
Benedetto, J. M.	Medicine	Assistant
Bepko, Marie K.	Anatomy	Assistant
Bergeim, O.	Physiological Chemistry	Associate Professor
Bernell, E. C	Obstetrics	Assistant
Best, A. A.	Surgery	Assistant
Birch, C. L.	Medicine	Assistant Professor
Blatt, M. L.	Pediatrics	Professor
Bloomfield, M.	Obstetrics	Instructor
Boelio, L. N.	Anatomy	Instructor
Boikan, W. S.	Medicine and Pathology	Instructor
Bone, Dorothy D.	Medicine	Assistant
Bower, L. E.	Pediatrics	Assistant Professor
Bradley, W. B	Physiological Chemistry	Assistant
Brandon, R. H.	Criminology	Lecturer
Braude, B.	Surgery	Assistant
Braun, I. C.*	Surgery	Assistant
Bredlau, E. A.	Laryngology	Associate
Briggs, Frances A.	Physiological Chemistry	Assistant
Bronstein, I. P.	Pediatrics	Associate
Brooks, R.	Ophthalmology	Assistant
Brown, A. W	Criminology	Associate Professor
Brown, C. D.	Surgery	Assistant
Browne, W. H	Obstetrics	Assistant Professor
Burling, F. T.	Criminology	Associate
Burrows, S. J.	Anatomy	Assistant
Busby, J. A. C.	Obstetrics	Instructor
Calvin, J. K.	Pediatrics	Assistant Professor
Camp, W. J. R.	Pharmacology	Associate Professor
Carey, C. M.	Obstetrics	Assistant
Caro, M. R.	Dermatology	Associate
Chamberlain, I. M.	Pediatrics	Associate
Chauvet, F.	Medicine	Associate Professor
Cipriani, J. B.	Medicine	Assistant Professor
Clark, J. W.	Ophthalmology	Assistant
Cohen, C. L.	Pediatircs	Instructor
Cole, A. G.	Physiological Chemistry	Assistant Professor
Conway, Janet T.	Obstetrics	Assistant

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*Deceased March 1, 1934.

Name	*Department*	*Rank*
Coombs, A. J	Laryngology	Instructor
Cooper, A. R	Anatomy	Assistant Professor
Cornbleet, T.	Dermatology	Associate
Crudim, Myrtle B.	Medicine	Instructor
Dalitsch, W. W	Medicine	Associate
Davenport, G. L	Surgery	Assistant Professor
Davis, D. J	Pathology	Dean and Professor
Davis, H. I	Neuropsychiatry	Professor
Davison, R. M.	Surgery	Assistant
DeLano, P. J	Surgery	Instructor
DeTarnowsky, G.	Surgery	Professor
DeTrana, G. E.	Medicine	Instructor
Deuss, H. O	Medicine	Assistant Professor
Diamond, I. B	Neuropsychiatry	Assistant Professor
Ditkowsky, S. I	Medicine	Assistant
Dorman, H. P	Medicine	Assistant
Dorrell, Isabel C	Pathology	Assistant
Dreyer, I.	Medicine, Pathology	Assistant
Drueck, C., Jr	Surgery	Assistant
Dyas, F. G	Surgery	Professor
Dyniewicz, Josephine M	Pharmacology	Assistant
Eisenstein, M. W	Medicine	Assistant
Ewert, E. E	Surgery	Associate
Ewing, P. L	Pharmacology	Associate
Fabricant, N. D.	Laryngology	Instructor
Falls, F. H	Obstetrics	Professor
Fantus, B	Pharmacology	Professor
Fara, F. J., Jr	Anatomy	Assistant
Feldman, L.	Medicine	Associate
Findlay, E. K.	Ophthalmology	Professor
Fisch, M. E	Anatomy, Medicine	Instructor
Fischer, J. W	Medicine	Instructor
Fischer, W. R.	Orthopaedics	Instructor
Fishman, L. Z	Laryngology Anatomy	Instructor Assistant
Foley, E. F	Medicine	Assistant Professor
Folk, M. L	Ophthalmology	Assistant Professor
Ford, W. K.	Dermatology	Instructor
Forkosh, S. R	Obstetrics	Assistant
Fowler, F. H	Pathology	Instructor
Fox, N. H.	Ophthalmology	Assistant
Fox, N.	Laryngology	Associate
Freilich, E. B	Medicine	Associate Professor
Furby, R. L	Pediatrics	Instructor
Gant, V. A	Pharmacology	Assistant
Garland, J. C	Surgery	Assistant
Gasul, B. M	Pediatrics	Associate
Geiger, Sara Gertrude	Criminology	Associate
Gelfan, S.	Physiology	Associate
Gellhorn, E.	Physiology	Professor
Gernon, J. T.	Surgery	Assistant
Gillesby, W. J	Surgery	Assistant
Gitelson, M.	Criminology	Associate
Goldberg, B	Medicine	Associate Professor
Goldberger, S. M.	Pediatrics	Associate
Goldwasser, M.	Medicine	Associate
Golub, H. W	Medicine	Instructor
Greenebaum, H. A	Medicine	Assistant
Greengard, J.	Pediatrics	Associate
Grimmer, E. A.	Orthopaedics	Assistant
Grosz, E	Medicine	Instructor
Gulbrandsen, L. F	Pathology	Instructor

Name	*Department*	*Rank*
Gunnar, H. P.	Medicine	Assistant Professor
Gurvey, J. A.	Medicine	Instructor
Guttman, M. R.	Laryngology	Instructor
Haines, W. H.	Neuropsychiatry	Assistant
Halper, P. A.	Laryngology	Associate
Halpern, L. J.	Pediatrics	Instructor
Hammond, W. C.	Obstetrics	Assistant Professor
Hark, F. W.	Orthopaedics	Assistant Professor
Harned, J. W.	Laryngology	Instructor
Hartlett, E. M.	Laryngology	Instructor
Hartung, A.	Roentgenology	Professor
Harvey, C. C.	Physiological Chemistry	Assistant
Hassin, G. B.	Neuropsychiatry	Professor
Hedblom, C. A.*	Surgery	Professor
Helfrich, L. S.	Pharmacology	Assistant
Herrold, R. D.	Surgery	Assistant Professor
Hess, J. H.	Pediatrics	Professor
Hick, F. K.	Medicine	Instructor
Hickerson, R. G.	Medicine	Assistant
Higgins, J. A.	Pharmacology	Assistant
Hill, H. H.	Obstetrics	Instructor
Hirsch, E. W.	Surgery	Associate
Hoffman, S. J.	Pediatrics	Associate
Hollender, A. R.	Laryngology	Instructor
Hood, Marion	Medicine	Instructor
Hoover, H. M.	Medicine	Assistant
Hull, T. G.	Pathology	Assistant Professor
Humiston, C. E.	Surgery	Professor
Ingraham, R. C.	Physiology	Assistant
Irish, H. E.	Pediatrics	Professor
Jacobson, H. A.	Obstetrics	Assistant
Jaffe, R. H.	Pathology	Professor
Jaffray, D. S.	Surgery	Assistant
Jenkins, R. L.	Criminology	Associate
Jirka, F. J.	Surgery	Assistant Professor
Joannides, M.	Surgery	Associate
Johnson, C. A.	Physiological Chemistry	Instructor
Johnson, N. G.	Criminology	Associate
Jones, R. M.	Medicine	Assistant
Jones, T. S.	Illustration	Assistant Professor
Joranson, Y.	Anatomy	Assistant Professor
Kampmeier, O. F.	Anatomy	Professor
Kane, A. C.	Laryngology	Instructor
Kaplan, M. A.	Medicine	Assistant
Kaplan, S.	Obstetrics	Instructor
Kaufman, S. I.	Ophthalmology	Associate
Kearns, J. J.	Pathology	Instructor
Keeton, R. W.	Medicine	Professor
Kirshbaum, J. D.	Medicine	Assistant
Klawans, H. L.	Laryngology	Assistant
Klein, R. I.	Pathology	Instructor
Klemptner, D.	Medicine	Associate
Kleppe, Hedvig	Pathology	Assistant
Kobak, A. J.	Obstetrics	Instructor
Kominik, E. A.	Pathology	Assistant
Koppa, T. M.	Medicine	Assistant
Kordenat, R. A.	Surgery	Assistant Professor
Koucky, J. D.	Surgery	Assistant Professor
Kraines, S. H.	Neuropsychiatry	Instructor
Kramp, E. H.	Surgery	Assistant

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*Deceased June 6, 1934.

Name	*Department*	*Rank*
Krasnow, H. R	Dermatology	Instructor
Kremer, R. J	Pathology	Associate
Krohn, L	Obstetrics	Instructor
Kronenberg, M. H	Medicine, Surgery	Associate
Kuchlewski, E	Pathology	Assistant
Lackner, J. E	Obstetrics	Assistant Professor
Ladd, R. L	Pathology	Assistant Professor
Lambert, C. N	Orthopaedics	Instructor
Lang, J. M	Obstetrics	Assistant Professor
Lash, A. F	Obstetrics	Assistant Professor
Law, P. M	Medicine	Assistant
Lebensart, Ruth	Neuropsychiatry	Assistant
Lederer, F. L	Laryngology	Professor
Leichenger, H	Pediatrics	Associate
Lerner, B. H	Medicine	Assistant
Levin, B. M	Pediatrics	Instructor
LeVine, H. J	Medicine	Assistant
Levine, V	Pathology	Instructor
Levinson, S. A	Pathology Medicine	Associate Professor Assistant Professor
Levy, H. M	Pediatrics	Assistant
Lewison, M	Medicine	Professor
Lifvendahl, R. A	Obstetrics	Associate
Livingston, G. S	Laryngology	Associate
Low, A. A	Neuropsychiatry	Assistant Professor
Lowell, J. W	Ophthalmology	Assistant
Lusk, F. B	Medicine	Assistant Professor
McArthur, S. W	Surgery	Assistant Professor
McDaniels, H. E	Pathology	Instructor
McGuigan, H. A	Pharmacology	Professor
McKee, W. A	Criminology	Associate
McKenna, C. M	Surgery	Professor
McKinley, H. A	Pediatrics	Assistant
McLaughlin, Jane R	Obstetrics	Instructor
McMillan, J. C., Jr	Medicine	Assistant
MacFate, R. P	Physiological Chemistry	Instructor
Malcolm, R. B	Surgery	Assistant Professor
Mansowit, D	Pediatrics	Instructor
Marquardt, G. W	Surgery	Assistant
Marshall, A. G	Surgery	Instructor
Marshall, W. A	Orthopaedics	Associate
Martin, L. W	Obstetrics	Associate
Maryan, H. O	Obstetrics	Associate
Melnick, P. J	Pathology	Associate
Metz, A. R	Surgery	Assistant Professor
Meyer, H. I	Surgery	Instructor
Meyer, J	Medicine	Associate Professor
Milles, G	Pathology	Assistant Professor
Millizen, J. E	Administration	
Mishkin, H. L	Surgery	Instructor
Moon, G. R	Administration	
Moore, E. S	Medicine	Associate Professor
Mora, J. M	Surgery	Assistant Professor
Morwitz, S. M	Laryngology	Instructor
Mosko, M. M	Medicine	Assistant
Muehlberger, C. W	Pharmacology	Lecturer
Mulcahy, J. P	Ophthalmology	Assistant
Mullen, T. F	Orthopaedics	Instructor
Murphy, F. G	Orthopaedics	Assistant Professor
Murphy, G. T	Surgery	Instructor
Murray, W. G	Criminology	Lecturer

Name	*Department*	*Rank*
Nadeau, O. E.	Surgery	Associate Professor
Nedzel, A. J	Pathology	Associate Professor
Neiman, B. H	Pathology	Instructor
Nelson, T	Medicine	Associate
Newberger, C.	Obstetrics	Assistant Professor
Newman, W. V	Orthopaedics	Assistant
Newton, W. H	Medicine	Assistant
Northup, D. W	Physiology	Assistant
O'Conor, V. J	Surgery	Associate Professor
Oden, R. J. E.	Surgery	Instructor
Oldberg, E	Surgery	Assistant Professor
Olkon, D. M.	Neuropsychiatry	Assistant Professor
Ostrom, M. L. H.	Laryngology	Assistant
Pace, E. R	Dermatology	Instructor
Padnos, E.	Pediatrics	Assistant
Parker, M. L	Surgery	Assistant
Paskind, J	Neuropsychiatry	Assistant
Passarelli, E. W	Medicine	Assistant
Pauker, N.	Pediatrics	Instructor
Pearlman, B	Medicine	Instructor
Peluse, S	Medicine	Instructor
Percy, G. L., Jr	Surgery	Instructor
Percy, N. M.	Surgery	Professor
Perlstein, Minnie O.	Dermatology	Instructor
Perlstein, S	Medicine	Associate Professor
Peters, H. C.	Physiology	Assistant
Petersen, W. F	Pathology	Professor
Phifer, C. H	Surgery	Professor
Piette, E. C	Pathology	Assistant Professor
Pilka, H. J	Anatomy	Assistant
Pilot, I.	Medicine, Pathology	Associate Professor
Platin, J. W	Surgery	Instructor
Poncher, H. G	Pediatrics	Assistant Professor
Post, G. W., Jr	Surgery	Associate Professor
Propst, D. W	Medicine	Assistant Professor
Puestow, C. B	Surgery	Assistant Professor
Rabens, I. A.	Medicine	Assistant Professor
Ragins, A. B.	Pathology	Instructor
Ragins, O. B.	Medicine	Instructor
Rappaport, B. Z	Medicine	Associate
Rattner, H	Dermatology	Associate
Reagan, F. P	Anatomy	Associate Professor
Reed, C. I.	Physiology	Assistant Professor
Reynolds, J. T	Anatomy	Assistant
Rezek, G. H.	Obstetrics	Assistant
Reznick, B. Z.	Ophthalmology	Assistant
Rhea, Keith	Anatomy	Assistant
Rind, Rudla B	Medicine	Assistant
Riser, R. O	Ophthalmology	Assistant
Ritch, C. O.	Surgery	Instructor
Robins, L. S.	Pediatrics	Associate
Rooney, E. J	Medicine	Assistant
Rose, M. J	Obstetrics	Instructor
Rosenblum, P.	Pediatrics	Assistant Professor
Rosenblum, S. H	Medicine	Assistant
Ross, H. M.	Orthopaedics	Instructor
Rudolph, A. H	Medicine	Assistant
Saltiel, T. P	Pediatrics	Associate
Saphir, O.	Pathology	Associate Professor
Sarma, P. J.	Surgery	Associate
Sawyer, A. L	Medicine	Assistant Professor
Schacht, F. W	Surgery	Assistant

Name	*Department*	*Rank*
Schell, M. C.	Medicine	Assistant
Schlegel, K. W.	Pathology	Assistant
Schneider, M.	Pediatrics	Assistant
Schneider, P. F.	Obstetrics	Instructor
Schorr, H. C.	Dermatology	Instructor
Schroeder, P. L.	Criminology	Professor
Schultz, L. W.	Surgery	Instructor
Scott, R. A.	Obstetrics	Associate
Scuderi, C. S.	Surgery	Instructor
Seed, L.	Surgery	Assistant Professor
Seifert, M. H.	Anatomy	Assistant
Selling, L. S.	Criminology	Assistant Professor
Senear, F. E.	Dermatology	Professor
Shapiro, L. B.	Neuropsychiatry	Assistant
Shapiro, S. L.	Laryngology	Associate
Shaughnessy, H. J.	Pathology	Assistant Professor
Shellow, H.	Dermatology	Assistant
Sherman, Irene C.	Neuropsychiatry	Assistant
Siegal, H. A.	Medicine	Assistant
Simer, P. H.	Anatomy	Associate
Simon, D. C.	Medicine	Assistant
Singer, H. A.	Medicine	Associate Professor
Singer, H. D.	Neuropsychiatry	Professor
Smith, C. O.	Obstetrics	Instructor
Smith, H. J.	Ophthalmology	Assistant Professor
Smith, P. W.	Physiology	Instructor
Solomon, A. P.	Neuropsychiatry	Assistant Professor
Soloway, S. S.	Medicine	Associate
Spiesman, I. G.	Laryngology	Instructor
Sruogins, Albina	Pathology	Assistant
Steck, I. E.	Physiology	Assistant
Steigmann, F.	Medicine	Assistant
Stein, E. J.	Anatomy and Surgery	Instructor
Stephens, V. R.	Surgery	Associate
Stone, F. L.	Obstetrics	Assistant Professor
Strauser, E. R.	Medicine	Assistant
Strauss, S.	Medicine	Professor
Streicher, M. H.	Medicine	Assistant Professor
Stuart, C. W.	Laryngology	Instructor
Suldane, J. A.	Pediatrics	Instructor
Summerville, M. J.	Obstetrics	Instructor
Swanson, E. E.	Anatomy	Assistant
Theobald, J. J.	Laryngology	Assistant Professor
Theobald, W. H.	Laryngology	Assistant Professor
Thomas, H. B.	Orthopaedics	Professor
Thrasher, I. D.	Surgery	Assistant
Tigay, Clara D.	Pediatrics	Assistant
Turner, H. E.	Medicine	Assistant
Vacin, M. E.	Anatomy	Assistant
VanAlyea, O. E.	Laryngology	Instructor
VanderKloot, A.	Medicine	Assistant Professor
Van Hazel, W.	Surgery	Associate
Visscher, M. B.	Physiology	Professor
Von Bonin, G.	Anatomy	Assistant Professor
Wachowski, T. J.	Roentgenology	Assistant
Wadsworth, H. V.	Laryngology	Assistant
Wall, J. W.	Medicine	Assistant
Wallace, H. C.	Surgery	Associate
Webb, R. L.	Anatomy	Associate
Weiner, S. I.	Anatomy	Assistant
Weinfeld, G. F.	Pediatrics	Associate
Weiss, E.	Pathology	Instructor

Name	*Department*	*Rank*
Welker, W. H.	Physiological Chemistry	Professor
Wernicke, H. O.	Surgery	Instructor
White, Adeline R.	Anatomy	Assistant
Wien, M. S.	Dermatology	Assistant Professor
Wilburn, H. V.	Medicine	Assistant
Willis, D. A.	Surgery	Instructor
Wilson, F. S.	Medicine	Assistant Professor
Wolf, S.	Ophthalmology	Associate
Wolff, J. R.	Obstetrics	Assistant
Woodward, Helen	Pediatrics	Assistant
Worthington, M. H.	Criminology	Lecturer
Yarros, Rachelle S.	Criminology	Professor
Zechel, G. L.	Anatomy and Surgery	Associate
Zeitlin, H.	Neuropsychiatry	Assistant
Zimmermann, A. A.	Anatomy	Assistant Professor

THE COLLEGE OF MEDICINE

History

The College of Medicine opened its doors on October 14, 1881, as a proprietary medical school known as "The College of Physicians and Surgeons of Chicago." It first became affiliated with the University of Illinois in 1897, the name was officially changed in 1900 to "The College of Medicine of the University of Illinois," and in 1913 all of the property and the entire issue of stock of the old institution were transferred to the University. The building first occupied, at the corner of Harrison and Honore Streets, is used at the present time by the College of Dentistry.

Buildings

The first unit of the Medical and Dental Laboratory Building, facing on Polk and Lincoln Streets, and connecting directly with the Research and Library Building on the north end and with the Research and Educational Hospital on the south, has been in operation since October, 1931. The Library consists of two large reading rooms with more than 43,900 volumes and an extensive list of medical periodicals. Desk space is provided for persons interested in research. In addition to the large laboratories for class work, there are numerous small laboratories designed for individual research projects.

The Department of Public Welfare of the State of Illinois has constructed an extensive group of hospitals and laboratories adjoining the buildings of the University and has made a cooperative agreement by which additional facilities for teaching and investigation are offered to the faculty of the College of Medicine. The units now in operation include the Research and Educational Hospital, the Out-Patient Dispensary, the Orthopaedic Institute, the Psychiatric Institute, and the Institute for Juvenile Research.

The Research and Educational Hospital, with provision for 400 beds, connects directly with the classrooms and laboratories, and has been designed for teaching and investigation. The Out-Patient Dispensary, which occupies the main floor of this hospital, possesses adequate and comfortable waiting rooms, suitable suites for all divisions of clinical work, a large amphitheatre, electrocardiographic and hydrotherapeutic units, and rooms for preparing and dispensing drugs. The Dispensary is divided into twelve departments: medicine, surgery, genito-urinary surgery, obstetrics, gynecology, pediatrics, orthopaedics, otolaryngology, dermatology, ophthalmology, neurology, and roentgenology. At present the number of treatments is limited to about 100,000 per year.

Active teaching is also being conducted at the present time in the following hospitals: the Cook County Hospital, the Illinois Charitable Eye and Ear Infirmary, the Municipal Contagious Hospital, the Augustana Hospital, and the St. Luke's Hospital.

Admission

Applications for admission must be made to the Examiner of the College of Medicine in Chicago. Credentials covering all college and high school work must be sent directly to the Examiner from each institution attended. No student who is on scholastic probation at, or who has been dropped from, the last institution attended prior to seeking admission will be considered. The number of first-year students is restricted by space limitations.

For admission to the College of Medicine, candidates must present satisfactory evidence of six years of work,[1] as follows:

1. Four years of accredited high school work or the equivalent, comprising not less than 15 units in acceptable subjects prescribed as follows:

English	3 units[2]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives (Trigonometry is advised)	7 units
Total	15 units

2. Two years of work in a recognized college or university, comprising not less than 60 semester hours, exclusive of military, hygiene, and physical education. Each applicant, whether from the University of Illinois, or from other institutions of recognized standing, must have attained in all college courses a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (see note 1). In determining the scholastic average, grades received in military science, physical education, and hygiene will not be considered. The work must include prescribed and elective subjects as follows:

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours[3]
Physics (at least 2 hours of laboratory work)	8 semester hours
Zoology (at least 4 hours of laboratory work, see note 2)	8 semester hours
English	6 semester hours
German, French (see note 3)	6 semester hours
Electives outside of the chemical, physical, and biological sciences (see note 4)	6 semester hours
Free electives (see note 4)	14 semester hours
Total	60 semester hours

Note 1: Grades.—This rule is interpreted according to the number of passing grades. In a system of four passing grades, A, B, C, and D, the literal grades are translated into figures as follows: A = 5; B = 4; C = 3; D = 2; E (condition) = 1; F (failure) = 0. Where there are more or less than four passing grades, the computation is adjusted to make the same level of accomplishment apply. The individual grades are multiplied by the respective number of semester hours which each represents, and the sum of these products is

divided by the total number of semester hours taken. In the case of courses previously passed and repeated, both grades earned will be counted in computing the average.

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[1] These are the minimum requirements for admission to the College of Medicine. For a broader foundation attention is called to the work indicated on page 28 under "Courses Offered at Urbana."

[2] By a *unit* is meant a year's work in a single subject, it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week and that double time shall be given in subjects like drawing, manual training, and bookkeeping, in which little or no outside study is required. Since high school students ordinarily take four subjects at a time throughout the four years of the high school course, 15 units represent approximately four years of high school work.

[3] By a *semester hour* is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

Note 2: Zoology.—This must include a laboratory course in general zoology and one in vertebrate zoology. Botany is no longer accepted as meeting any part of the requirement.

Note 3: German, French.—The student is urged to secure a reading knowledge in one of these languages. This will ordinarily require at least 6 hours of work in the same language in college after two years in high school, or two full years of work (in a class reciting at least three periods a week) in college if the language was not begun in high school.

Note 4: Electives.—Psychology should be the first elective and Mathematics the second elective. Other electives may be chosen from the following: Botany, Chemistry (physical chemistry and quantitative analysis), Drawing, Economics, English, Greek, History, Latin, Logic, Political Science, Sociology, Zoology.

No Conditions Permitted.—The requirements as listed above must be met in full before admission will be granted. No deficiencies are permitted.

Preference to Illinois Residents.—In considering applications for admission, preference and priority will be given to candidates who are residents of Illinois.

Renewing Applications.—An applicant who has been granted admission to the College of Medicine but fails to enroll, and who wishes to enter in a subsequent year, must re-apply for admission and must meet all the requirements in force at the time of such new application.

Health Certificate.—Each applicant for admission, before he will be permitted to register, must present a certificate from his family physician indicating (a) good physical condition, (b) freedom from respiratory and dental infections, (c) successful vaccination against smallpox, and (d) Schick and Dick reactions. If a student is unable to show negative Schick and Dick reactions, he must report to the University Health Officer for immunization before registration for the second year.

Physical examinations during the first year are compulsory, and every effort is made by the Health Service of the College of Medicine to assist each student in solving his own health problems throughout his course.

Students Registered in the Medical Curriculum.—The seven-year medical curriculum offered by the University of Illinois consists of two years of pre-professional work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (for these four years a B.S. degree may be given), two years of clinical work in the College of Medicine in Chicago, and one year as an interne in a hospital approved by the University. The registration of students at Urbana who have completed the requirements of the first two years of the medical curriculum (the pre-professional work) is continued in the College of Medicine. Students admitted to the pre-professional curriculum at Urbana, having taken not more than one year of work eleswhere, will be permitted to continue their registration in the College of Medicine after candidates from other institutions who have been on the waiting list of the College of Medicine for one year or more have been accommodated. Students who have taken more than one year of work elsewhere will be assigned places on the waiting list when all requirements have been met. Registration of students entitled to continue in the College of Medicine is subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar, on a form provided by the Registrar, not later than March 1 of the year in which he purposes to continue his work in the College of Medicine in Chicago.

2. The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of fees in advance.

3. No student who is on probation in the University (or who has been dropped from the University for poor scholarship) at the time he seeks to continue his University registration in the College of Medicine, has any claim to precedence in registration over students who come with clear records from the University of Illinois or other institutions.

4. No student at Urbana will be permitted to transfer his registration to the College of Medicine while his record shows a deficiency in any of the subjects which, as general requirements of the University, are a part of his curriculum.

5. The registration of non-residents of Illinois can be continued in the College of Medicine only provided there is room after all properly qualified residents of the state have been accommodated.

Courses Offered at Urbana

While the minimum requirements for admission prescribe two years of liberal arts and science work, it is to the advantage of the student to present more than this amount of pre-medical work. Attention is called to the fact that the University at Urbana offers the following choice of courses:

1. A nine-year course—four years in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age at graduation from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.

Advanced Standing

Because of the limitations of space, the membership of each class is strictly limited. Applications for admission with advanced standing to any class will not be considered until vacancies are certain to occur. In case there are vacancies to be filled preference will be given to those applicants who are residents of Illinois and who present the strongest records.

In general, the administration cannot determine definitely whether there will be vacancies, or the number of vacancies, until the day of registration.

No student who is on probation at, or who has been dropped for any reason from, a college of medicine will be considered for admission.

Requirements for Graduation

To receive the degree of Bachelor of Science in Medicine a student must have completed in full the courses of the first two years with grades of 75% or better in at least three-fourths of the work.

To receive the degree of Doctor of Medicine a student must have spent four years in attendance at an approved medical school, of which at least the last year must have been in residence at the University of Illinois; must have completed the prescribed curriculum; and, in addition, have either finished satisfactorily a hospital course of not less than twelve months duration in a hospital approved by the University of Illinois, or completed a year of research work acceptable to the University. He must also have shown evidence of good moral character and have paid all indebtedness to the University.

The Certificate in Medicine is awarded to students who have completed four years of scheduled work in the College of Medicine, and who will be entitled to the degree of Doctor of Medicine upon completion of the fifth year of work as stated above.

Students who qualify for the Certificate in Medicine, and who are willing to bear the added expense involved ($10), may receive the degree of Bachelor of Medicine instead of the Certificate. In either case the degree of Doctor of Medicine will be awarded on completion of a satisfactory year of interneship.

Graduation with Honors.—A student who complies with the requirements for graduation and who attains in all work presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: For an average grade of not less than 87%, Graduation with Honors; for an average grade of not less than 90%, Graduation with High Honors. The honors conferred shall be noted upon the diploma and the commencement program.

General Plan of Instruction

The course of instruction leading to the degree of Doctor of Medicine covers a period of five years, four in the College of Medicine and the fifth in interne service in an approved hospital, or a year of research work acceptable to the University.[1]

During the first two years the work is confined mainly to the fundamental sciences, and the time of the student is largely devoted to laboratory work. During the first year this consists of work in anatomy, histology, embryology, neurology, chemistry, and physiology. During the second year the study of physiology is continued, and in addition the student takes up bacteriology, pathology, laboratory diagnosis, pharmacology, physical diagnosis, medicine, surgery, obstetrics, and hygiene.

During the third and fourth years the time is devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics. In the dispensary the student examines the cases personally under the guidance of instructors. He is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has opportunity to follow these and to learn the technique involved.

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[1] See Medical Practice Act of the State of Illinois. Senate Bill No. 439, Approved June 30, 1923, Section 5 (b).

Examinations are held at the close of each semester. Those at the end of the second and fourth years may be of a comprehensive nature and may be either written or oral.

In the fourth year clinical clerkships are established to be operated at one time for one-fourth of the class and for a period of two months. Each one-fourth of the class is further divided into four sections, one section being assigned to Medicine, one to Surgery, one to Obstetrics, and one to service in outside hospitals. The students on service in outside hospitals are excused from attendance on all lectures and clinics but are held responsible for the subject matter of the courses from which they have been excused.

In the third year the student must elect two hours per week in each semester. In the fourth year five and one-half hours per week of elective work must be taken from the elective subjects, and at least one hour of these electives must be selected from the subjects in surgery. This elective work of the third and fourth years may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular subject or subjects. The elective work may be counted for graduate credit provided the student registers in a course recognized for graduate credit by the graduate faculty and can satisfy the head of the department concerned as to his ability to pursue the work he proposes to undertake.

The fifth year consists of twelve months of interne service in a hospital approved by the University. During the fourth year the students apply to the hospitals in which they wish to interne and, if successful, sign contracts for the service desired. The list of fifth-year students with the hospitals in which they are serving is given on page 64. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in any way with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official requirements of the curriculum.

Fees[1] and Expenses

All fees other than the tuition fee are payable in full at the time they are assessed. The tuition fee for each year is payable in two equal installments on registration day at the beginning of each semester. A student is not registered until his fees are paid.

Deposit Required of New Students.—The first-year class list is usually made up about July 1. Each student assigned a place in this list is required to make a deposit of $15 within two weeks of the time at which he is notified of his assignment. This deposit will be applied on his fees, including laboratory fees, assessed during the first semester. A deposit of $15 will also be required of any student who may be admitted with advanced standing. Failure to pay this deposit within the specified time will subject the applicant to forfeiture of his place on the list, unless notice of his intention not to register is received by the Examiner of the College of Medicine by September 1.

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[1] The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

Service Charge for Deferred Fees.—Under certain conditions, students may arrange for the payment of their fees in installments, in which case a service charge of ten per cent of the amount not paid on registration days is assessed.

Matriculation Fee. Each student not holding a scholarship, on satisfying the requirements for admission to the University, pays the matriculation fee of	$ 10
This fee is assessed only once for any student in the University of Illinois.	
Tuition and Laboratory Fee. Students in the College of Medicine, residents of Illinois, pay each year a tuition and laboratory fee of	$200
A student holding a scholarship pays the laboratory fee only. Laboratory fees are assessed only for the specific laboratory courses taken. Students in the College of Medicine, not residents of Illinois, pay each year a tuition and laboratory fee of.	$300
Late Registration Fee. Students who enter after registration day are charged a late registration fee of	$ 5
Special Examination Fee. For any special examination a fee is charged amounting to	$ 5
Graduation Fee. Each student pays for each diploma received from the University a fee of	$ 10
Listener's Fee. Listeners and visitors pay the following fees:	
For each 25 clock hours or a fraction thereof, residents of Illinois	$ 10
Persons not residents of Illinois	$ 20
Maternity Service Fee (Fourth-year students)	$ 15

Special fees are charged for the various postgraduate courses. These fees are listed with the description of each course concerned.

Students permitted to take more or less than the regular schedule, to the extent of a difference of more than 64 clock hours, will be charged proportionately more or less tuition fees.

Copy of original transcript of record, $1.00; for each carbon copy of same, fifty cents. Each student is entitled to one transcript of record without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for the second request for the original.

Note.—County Hospital Ticket (for third-year and fourth-year students) $10.

No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of the month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees will be refunded.

Alumni are admitted to all regular undergraduate courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

The expenses of living in Chicago are less than in most large cities. From forty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of textbooks.

A ten-story Y.M.C.A. building located three blocks from the College affords a comfortable home for students.

Scholarships and Loan Funds

Rea Scholarships.—Through the generosity of the late Professor R. L. Rea, four scholarships each year, awarded by the officers of the Faculty, are provided for worthy students. For the session of 1933-34, these scholarships were granted to the following students:

MAXWELL BERNSTEIN	LAURIE J. HAKALA
SIDNEY S. COHEN	TITUS M. JOHNSON

Note.—Students holding the following undergraduate scholarships are exempt from matriculation and tuition fees, but are required to pay all laboratory and dispensary fees:

General Assembly Scholarships.—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships.—For World War Veterans. Special provisions passed by the General Assembly in 1919.

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

Loan Funds.—A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. For more detailed information, apply to the Business Office of the College of Medicine.

Lectureships

In commemoration of members of the alumni, faculty, and student body who lost their lives during the World War, the alumni, faculty, and students have raised a fund sufficient to establish a Memorial Lectureship. One lecture is delivered annually by a prominent educator on a subject of general medical interest.

In accordance with the will of Mrs. Albertina Gehrmann, widow of the late Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a Lectureship in the College of Medicine of the University of Illinois, in memory of Dr. Gehrmann. The ninth series of these lectures was delivered by Dr. Karl F. Meyer, of the University of California, whose general subject was "Human and Animal Diseases."

In 1927 Dr. Charles S. Bacon, on reaching the retiring age, was made Professor of Obstetrics, *Emeritus*. On this occasion the members of the faculty and friends of Dr. Bacon contributed the sum of $5,000 to found the Charles S. Bacon Lectureship in Obstetrics. The income from this amount is used to defray the expenses of a lecture given each year at the College of Medicine.

The Chicago Tuberculosis Institute has granted to the College $2500 a year for a period of five years to establish a Theodode B. Sachs Residency in the field of tuberculosis and allied diseases. During the 1932-33 session this was occupied by Professor E. Görter, Chief of the Department of Pediatrics, University of Leyden, Holland; Dr. R. H. Jaffè, Director of the Pathologic Institute, Cook County Hospital; and Dr. Lawrason Brown, of the Trudeau Sanitarium, Saranac Lake, New York.

Clinical conferences, medico-historical lectures, and the meetings of the Research Club occupy the 1-2 o'clock hour each Wednesday of the school year.

Prizes

Dr. Frank Smithies of Chicago has endowed an annual prize of $100 in memory of William Beaumont, the famous surgeon of the nineteenth century who made valuable contributions to the knowledge of the digestive system. The prize is awarded to the student or faculty member of the College of Medicine who submits the best original work in the study of diseases of the alimentary tract; it is administered by a committee appointed by the Dean of the College of Medicine. The seventh award was made on June 9, 1933, to Titus Maurice Johnson, M.S.

COURSES OFFERED IN THE COLLEGE OF MEDICINE

Note: The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise stated, the Arabic numerals following the description of courses indicate the number of one-hour periods per week. The Roman numerals *I* and *II* indicate the semester in which the course is given.

ANATOMY

Professor: KAMPMEIER (Head of the Department).
Associate Professor: REAGAN.
Assistant Professors: COOPER, ZIMMERMANN, VON BONIN, JORANSON.
Associates: ZECHEL, WEBB, SIMER.
Instructors: STEIN, BOELIO, FISCH.
Assistants: BURROWS, PILKA, WHITE, WEINER, VACIN, BEPKO, FISHMAN, SEIFERT, SWANSON, RHEA, ARIES, REYNOLDS, BALDWIN, FARA, MISHKIN.
Cooperating: Assistant Professor JONES.

Required Course—First Year

1-4. *Human Anatomy.*—To insure greater correlation and unity in presentation, the following major divisions, formerly separate and independent courses, are merged into a single course extending continuously throughout both semesters. The total time, 576 hours, is apportioned approximately as follows: HISTOLOGY, 144 hours; EMBRYOLOGY, 72 hours; REGIONAL AND SYSTEMIC ANATOMY, 288 hours; NEUROLOGY, 72 hours. Lectures and demonstrations occupy 6 hours, and laboratory, 12 hours, each week. Professor KAMPMEIER, Associate Professor REAGAN; Assistant Professors ZIMMERMANN, COOPER, VON BONIN; Dr. ZECHEL, Dr. WEBB, Dr. SIMER, instructors, and assistants.

Required Course—Third Year

6. *Topographical Anatomy.*—Topography and relations of the various regions, systems and organs of the body; correlation of subject matter with clinical conditions and procedure. *I.* (4.) Dr. ZECHEL and assistants.

Elective Courses

51. *Microscopical Technic.*—Preparation of objects; injecting bloodvessels and lymphatics; maceration, digestion and corrosion, decalcification; fixation of tissues, embedding, sectioning, staining, mounting, etc. 1 two-hour period. *I and II.* Limited. Dr. BOELIO.

52. *Medical Illustrating.*—Drawing, including perspective values and their adaptation to the representation of medical subjects; media adapted for representing certain conditions and structures, and for special methods of reproduction. 2 two-hour periods. *I.* Limited to four. Assistant Professor JONES.

53. *Fetal Anatomy.*—Dissection, with consideration of problems of development, and physiology. 2 two-hour periods. *I or II.* Limited. Assistant Professor Zimmermann.

54. *Medical Statistics.*—Biometry, based on the principles of the calculus of probability, and its application to problems of morphology, medicine, and the statistics of population. *I or II.* (2.) Assistant Professor von Bonin.

55. *Preparations for Anatomical Museum.*—The creation of special dissections, reconstructions, models and demonstration specimens for the anatomical teaching collection requiring skill, ingenuity, neatness and accuracy in execution. 2 two-hour periods. *I and II.* Limited to two or three qualified students. Professor Kampmeier and other members of staff.

56. *Physical Anthropology.*—Phylogeny of human races, anthropometry of living and skeletal material; anthropogeography, racial physiology and pathology; growth of populations and racial distributions of modern man; social anthropology, racial psychology and eugenics. *I.* (2.) Assistant Professor von Bonin.

Seminar.—Critical reviews of recent anatomical literature, preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Research.—Opportunity is given physicians and qualified students to do investigative work. A reading knowledge of French and German is essential.

For Physician's Courses see page 51.

Courses For Graduate Students

101. *Morphology, Experimental Morphology and Functional Anatomy.—One or two units.* Professor Kampmeier, Associate Professor Reagan, Assistant Professor von Bonin.

103. *Individual Research.*—In Embryology, Cytology and Histology, Neurology, Anthropology and Biometrics, Experimental Morphology, Functional and Applied Anatomy. *One or two units.* Professor Kampmeier, Associate Professor Reagan, Assistant Professor von Bonin.

CRIMINOLOGY, SOCIAL HYGIENE, AND MEDICAL JURISPRUDENCE

Professors: Schroeder (Head of the Department), Yarros.
Associate Professor: Brown.
Assistant Professors: Barrick, Selling.
Associates: McKee, Geiger, Jenkins, Burling, Johnson, Gitelson.
Lecturers: Brothers (Emeritus), Murray, Worthington, Brandon.

Required Course—Third Year

5. *Criminology and Behavior Problems.*—Principles of criminology and social hygiene as applied to medicine; venereal problems. *II.* (1.) Professor Schroeder.

Required Courses—Fourth Year

6. *Medical Jurisprudence.—(Eight weeks.) II.* (1.) Mr. Johnson.

7. *Medical Sociology.—(Eight weeks.) II.* (1.) Professor Yarros.

Elective Courses—Fourth Year

56. *Mental Hygiene.*—Mental hygiene in infancy and childhood. (*Eight weeks.*) *II.* (1.)

57. *Mental Hygiene.*—Mental hygiene of adolescence. Educational counsel and vocational guidance. (*Eight weeks.*) *II.* (1.) Dr. Selling.

58. *Clinical Administration of Behavior Problems.*—Probation treatment and parole. *I.* (1.) Assistant Professor Barrick, Dr. McKee.

59. *Criminal Identification.*—Application of physical structure and functions in identification of criminals.

60. *Hospital Organization and Management.*—(*Eight weeks.*) *I.* (1.) Dr. Worthington.

61. *Introduction to Public Welfare Administration.*—(*Eight weeks.*) *I.* (1.)

62. *Psychogenetic Study of Behavior Problems.*—An introduction to the significance of the life history of the individual in the genesis of behavior problems. *II.* (1.)

Courses for Graduate Students

101. *Research in Juvenile Behavior.—One to three units.* Professor Schroeder.

102. *Advanced Work in Juvenile Behavior.—One to three units.* Professor Schroeder.

103. *Special Abilities and Disabilities.—One or two units.* Associate Professor Brown.

104. *Psychological Tests.—One or two units.* Associate Professor Brown.

105. *Psychology of Behavior Problems.—One or two units.* Associate Professor Brown.

DERMATOLOGY

Professor: Senear (Head of the Department), Pusey (Emeritus).
Assistant Professor: Wien.
Associates: Cornbleet, Caro, Rattner.
Instructors: Krasnow, Perlstein, Pace, Schorr, Ford.
Assistant: Shellow.
Cooperating: Professor Bachem.

Required Course—Third Year

1. *Practice.*—Lectures. Continuous through the year. (1.) Professor Senear, Assistant Professor Wien.

Required Courses—Fourth Year

2. *Clinic.*—Continuous through the year. (1.) Professor Senear, Assistant Professor Wien.

9. *Clinic.*—Dispensary, including instruction in roentgenology. 3 one-hour periods. (*Four weeks.*) *I and II.* (1.) Professors Senear, Bachem, Assistant Professor Wein, Dr. Cornbleet, Dr. Rattner, Dr. Pace, Dr. Caro, Dr. Perlstein.

Elective Courses—Fourth Year

50. *Syphilis.*—Diagnostic and therapeutic methods employed. (*Eight weeks.*) *I and II.* (1.) Professor Senear, Assistant Professor Wien, Dr. Cornbleet.

51. *Dermatology.*—Special diagnostic and therapeutic methods. (*Eight weeks.*) *I and II.* (1.) Professor Senear, Assistant Professor Wien, Dr. Cornbleet.

Courses for Graduate Students

101. *Research in Dermatology.—One to three units.* Professor Senear.

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

Professors: Lederer (Head of the Department), Pierce (Emeritus).
Associate Professor: Beck (Emeritus)
Assistant Professors: W. H. Theobald, J. J. Theobald.
Associates: Livingston, Bredlau, Fox, Halper, Shapiro.
Instructors: Spiesman, Kane, Coombs, VanAlyea, Harned, Guttman, Morwitz, Fabricant, Fishman, Hartlett, Hollender, Stuart.
Assistants: Ostrom, Klawans, Wadsworth.

Required Courses—Third Year

3. *The Ear, Nose and Accessory Sinuses.*—Surgical anatomy, physiology, pathology and treatment. *I.* (1.) Professor Lederer.

11. *The Mouth, Pharynx and Larynx.*—Surgical anatomy, applied pathology and treatment. *II.* (1.) Professor Lederer.

12. *Conference.*—A general survey of the field through the medium of quiz groups. *I and II.* (1.) Dr. Halper, Dr. Coombs, Dr. Morwitz, Dr. Fishman.

13. *Clinic Dispensary.*—Research Hospital. 3 two-hour periods. (*Three weeks.*) *I and II.* Professor Lederer and staff.

Required Course—Fourth Year

14. *Clinical Otolaryngology.*—Research Hospital. Cases of interest are presented to illustrate the practical points in diagnosis. Pathology, indications for treatment and operation are discussed. 1 two-hour period. (*Eight weeks.*) *I.* Professor Lederer; Assistant Professors W. H. Theobald, J. J. Theobald; Dr. S. Shapiro, Dr. Van Alyea.

Elective Courses—Fourth Year

50. *Advanced Anatomy and Physiology of Ear, Nose and Throat.*—16 hours. Dr. Fishman.

51. (a) *Speech Defects.*
(b) *Problems of Deafness.*—8 hours. Professor Lederer.

52. *Advanced Clinical Otolaryngology.*—16 hours. Research Hospital. Ward Walk. Diagnostic and therapeutic methods. Professor Lederer, Dr. Halper.

53. *Research and Experimental Work in Otolaryngology.*—Special problems assigned to qualified students. Professor LEDERER.

For Physician's Courses see page 53.

Course for Graduate Students

101. *Research in Laryngology, Rhinology, and Otology.—One to three units.*

MEDICINE

Professors: KEETON (Head of the Department), TICE (Emeritus), LEWISON, STRAUSS.

Associate Professors: CHAUVET, MOORE, MEYER, PILOT, GOLDBERG, FREILICH, PERLSTEIN, SINGER.

Assistant Professors: LEVINSON, WILSON, SAWYER, CIPRIANI, FOLEY, GUNNAR, PROPST, VANDERKLOOT, BIRCH, STREICHER, DEUSS, RABENS, LUSK.

Associates: GOLDWASSER, KRONENBERG, KLEMPTNER, DALITSCH, FELDMAN, NELSON, SOLOWAY, BECKER, RAPPAPORT.

Instructors: KARTOON, HOOD, RAGINS, FISCH, HICK, AARONSON, AFREMOW, BOIKAN, CRUDIM, DETRANA, GOLUB, GROSZ, GURVEY, PEARLMAN, PELUSE.

Assistants: BONE, MCMILLAN, SIMON, KIRSHBAUM, BENEDETTO, JONES, LAW, RIND, DREYER, DORMAN, KAPLAN, ROSENBLUM, SIEGAL, STEIGMANN, WILBURN, GREENEBAUM, EISENSTEIN, HOOVER, STRAUSER, ROONEY, WALL, HICKERSON, SCHELL, KOPPA, DITKOWSKY, LEVINE, NEWTON, PASSARELLI, RUDOLPH, FISCHER, MOSKO, TURNER, GLOSS, LERNER.

A. INTERNAL MEDICINE

Required Courses—Second Year

2. *Physical Diagnosis.* — Practical drill on normal subjects; small sections. (a) *II.* (1.) (b) 1 two-hour period. *I.* Professor LEWISON, Associate Professors CHAUVET, FREILICH.

3. *Practice.*—Lectures and conferences with special reference to Diseases of Metabolism. *I.* (1.) Professor KEETON.

4. *Practice.*—Lectures and conferences. *II.* (2.) Assistant Professor PROPST.

Required Courses—Third Year

5. *Practice.*—A general survey of the important diseases. A continuation of the second year course. Continuous through the year. (2.) Assistant Professors SAWYER, CIPRIANI, VANDERKLOOT, DEUSS, PELUSE.

6. *Clinic.*—Research Hospital. Selected topics. Continuous through the year. (1.) Professor KEETON and staff.

7. *Clinic.*—Research Hospital. Selected topics, with special reference to Diseases of Metabolism. 1 one-hour period. *I and II.* Professor KEETON.

8. *Clinic.*—Research Hospital. Selected topics. 1 two-hour period. (*Eight weeks.*) *I and II.* Dr. DALITSCH.

9. *Clinic.*—Cook County Hospital. Tuberculosis Wards. 1 two-hour period. (*Eight weeks.*) *I and II.* Associate Professor FREILICH.

10. *Clinic.*—Cook County Hospital. Selected topics. 1 two-hour period. (*Eight weeks.*) *I and II.* Associate Professor MEYER.

11. *Clinic.*—Cook County Hospital. Selected topics. 1 two-hour period. (*Eight weeks.*) *I and II.* Associate Professor PILOT.

13. *Clinic.*—Research Hospital. Selected topics. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor BIRCH.

15. *Clinic.*—Research Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Dr. FOLEY.

23. *Physical Diagnosis Clinic.*—Cook County Hospital. Tuberculosis Wards. *I.* (1.) Professor LEWISON; Associate Professor FREILICH; Assistant Professor LEVINSON.

27. *Clinic.*—Dispensary. Practical work on out-patients, with special stress on history taking. Most of the important diseases of an ambulatory nature common to the temperate zone may be seen here. 3 two-hour periods. (*Three weeks.*) *II.* Professor KEETON and staff.

Elective Courses—Third Year

49. *Diseases of the Liver.*—*I.* (1.) Dr. DETRANA.

50. *Diseases of the Gastro-intestinal Tract.*—Lectures and demonstrations. *I.* (1.) Associate Professor MEYER.

51. *Clinico-pathological Lectures and Demonstrations.*—(Limited to one-eighth the class.) (*Eight weeks.*) *II.* (1.) Associate Professor SINGER.

52. *Diseases of the Heart.*—*I and II.* (1.) Professor STRAUSS.

53. *Principles of Medicine.*—Review course. *II.* (2.) Dr. KRONENBERG.

Required Courses—Fourth Year

14. *Clinic.*—Cook County Hospital. Selected topics. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor LUSK.

16. *Clinic.*—Research Hospital. Selected topics. Special stress is laid upon the newer methods of diagnosis as applied to clinical medicine. 1 one-hour period. *I and II.* Professor KEETON.

18. *Clinic.*—Research Hospital. Selected topics. 1 two-hour period. (*Eight weeks.*) *I and II.* Dr. HICK.

21. *Clinic.*—Cook County Hospital. Selected topics, special reference to laboratory methods. *I and II.* (2.) Associate Professor SINGER.

24. *Ward Clinic.*—Research Hospital. Selected topics with special reference to the gastro-intestinal tract. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor STREICHER.

25. *Ward Clinic.*—Cook County Hospital. Selected topics. 1 two-hour period. *I and II.* Assistant Professor FOLEY.

26. *Clinic.*—Research Hospital. Selected topics. 1 two-hour period. (*Eight weeks.*) *I and II.* Associate Professor PERLSTEIN.

39. *Clinic.*—Cook County Hospital. Selected topics, special reference to diseases of the circulatory apparatus. 1 two-hour period. *I and II.* Professor STRAUSS.

40. *Clinic.*—Cook County Hospital. Diseases of the chest. 1 two-hour period. *I and II.* Assistant Professor RABENS.

Elective Courses—Fourth Year

54. *Diseases of the Gastro-intestinal Tract.*—Lectures and demonstrations. *I.* (1.) Associate Professor MEYER.

55. *Clinico-pathological Lectures and Demonstrations.*—(Limited to one-eighth the class.) (*Eight weeks.*) *II.* (1.) Associate Professor SINGER.

59. *Clinical Parasitology.*—(Limited to eight students.) 1 two-hour period (*Eight weeks.*) *I.* Miss HOOD.

60. *Principles of Medicine.*—Review course. *I.* (2.) Dr. KRONENBERG, Dr. AFREMOW.

61. *Diseases of the Heart, Kidneys, and Blood Vessels.*—Selected topics. *I.* (1.) Dr. FELDMAN.

63. *Diseases of the Chest.*—*II.* (1.) Assistant Professor RABENS.

64. *Tuberculosis.*—*II.* (1.) Associate Professor GOLDBERG.

65. *Cardio-Vascular Diseases.*—*I.* (1.) Professor LEWISON.

66. *Problems in Diagnosis.*—*II.* (1.) Assistant Professor GUNNAR.

67. *Gastro-intestinal Disfunction.*—*I.* (1.) Dr. MCMILLAN.

68. *Dietetics.*—(Limited to twelve students.) (*Eight weeks.*) *I and II.* (1.) Professor KEETON.

69. *Allergy.*—(Limited to twelve students.) (*Eight weeks.*) *I and II.* (1.) Dr. NELSON.

70. *Cardio-Vascular Disease.*—*I and II.* (1.) Dr. BOIKAN.

71. *Clinical Allergy.*—*I.* (1.) Dr. RAPPAPORT.

Course for Graduate Students

101. *Research in Medicine.*—*One to three units.* Professor KEETON; Assistant Professor BIRCH.

B. ROENTGENOLOGY

Professor: HARTUNG.
Assistant: WACHOWSKI.
Cooperating: Professor BACHEM.

Required Courses—Fourth Year

4. *Roentgenology.*—Application of Roentgen rays to medicine and surgery. *I.* (2.) Professor HARTUNG.

5. *Clinic Dispensary.*—Technic, interpretation and therapy. 6 one-hour periods. (*Two weeks.*) *I and II.* Professors HARTUNG, BACHEM.

For Physician's Courses see page 52

Elective Course—Fourth Year

50. *Roentgen Interpretation.*—*I and II.* (1.) Professor HARTUNG.

HISTORY OF MEDICINE

Elective Course—Fourth Year

51. *History of Medicine.*—*I.* (1.)

NEUROPSYCHIATRY

Professors: Singer (Head of the Department), Mettler (Emeritus), Hassin, Davis.
Assistant Professors: Diamond, Olkon, Low, Solomon.
Instructor: Kraines.
Assistants: Paskind, Lebensart, Sherman, Baer, Shapiro, Haines.
Cooperating: Professor Schroeder.

Required Courses—Third Year

1. *Neurology.*—Didactic. *II.* (1.) Assistant Professor Olkon.

6. *Psychiatry.*—Mental mechanisms and principles of prevention. *II.* (1.) Professor Singer and associates.

Required Courses—Fourth Year

2. *Neurology.*—Lectures and demonstrations. Continuous through the year. (1.) Professor Hassin.

3. *Dispensary.*—8 two-hour periods. *I and II.* Assistant Professors Diamond, Olkon, Low, Solomon; Dr. Kraines, Dr. Paskind.

4. *Psychiatry.*—Lectures and case demonstrations. *I and II.* (1½.) Professors Singer, Davis.

5. *Neurology.*—Clinic in psychoneuroses. 8 two-hour periods. *I and II.* Assistant Professors Diamond, Low, Solomon.

Elective Courses—Fourth Year

50. *Neuropathology.—(Eight weeks.)* *II.* (1.) Limited to one-half the class. Assistant Professor Diamond.

51. *Clinical Psychiatry.—(Eight weeks.)* *II.* (1.) Prerequisite, Course 4. Professors Singer, Davis.

Courses for Graduate Students

101. *Research in Neurology.—One to three units.* Professor Hassin.

102. *Research in Psychiatry.—One to three units.* Professor Singer.

For Physician's Courses see page 52.

OBSTETRICS AND GYNECOLOGY

Professors: Falls (Head of the Department), C. S. Bacon (Emeritus), Byford (Emeritus), Newman (Emeritus)
Assistant Professors: Lang, Hammond, Stone, Lackner, Lash, Browne, Newberger.
Associates: Martin, Maryan, Lifvendahl, Scott.
Instructors: Rose, Busby, A. R. Bacon, Bloomfield, Hill, Kaplan, Kobak, McLaughlin, Summerville, Smith, Krohn, Schneider.
Assistants: Jacobson, Forkosh, Conway, Rezek, Wolff, Carey, Bernell.

A. OBSTETRICS

Required Course—Second Year

1. *Introductory Course in Obstetrics.—II.* (1.) Professor Falls.

Required Courses—Third Year

12. *Physiology of Pregnancy and Labor.—I.* (2.) Assistant Professors Hammond, Lash, Browne, Dr. Martin, Dr. Kobak, Dr. Krohn, Dr. Schneider.

13. *Pathology of Pregnancy and Labor and the Puerperium.*—Lectures, quizzes and demonstrations. *II.* (2.) Assistant Professor Browne, Dr. Martin, Dr. Schneider, Dr. Krohn, Dr. Hammond, Dr. Kobak.

14. *Dispensary out-clinic.*—3 two-hour periods. (*Three weeks.*) *I and II.* Assistant Professors Browne, Newberger; Dr. Maryan, Dr. Busby, Dr. Bloomfield, Dr. Jacobson, Dr. Hill, Dr. Rose, Dr. Kaplan, Dr. Scott, Dr. Smith, Dr. Conway, Dr. Krohn, Dr. Carey, Dr. Schneider.

16. *Obstetrical and Gynecological Laboratory.*—The student studies gross and miscroscopic specimens of such obstetrical complications as ruptured uterus, ablatio placenta, puerperal sepsis, ectopic pregnancy, hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented and fresh specimens when available. 1 two-hour period. (*Four weeks.*) *I and II.* Dr. Hill, Dr. Summerville.

Elective Courses—Third Year

(Will not be given for less than 5 or more than 15 students)

50. *Toxemias of Pregnancy.—I.* (1.) Dr. Newberger.

51. *Cook County Hospital Ward Walk.*—(Limited to 20 students.) (*Eight weeks.*) *I and II.* Assistant Professor Lash, Dr. Kaplan.

52. *Puerperal Sepsis.—II.* (1.) Assistant Professor Lash.

53. *Sterility and Conception.—I and II.* (1.) Assistant Professor Stone and Dr. Kobak.

54. *Hemorrhages.—I.* (1.) Assistant Professor Newberger.

55. *Review Course.—II.* (1.) Dr. Jacobson, Dr. Rose.

Required Courses—Fourth Year

18. *Manikin.*—Obstetrical operations demonstrated and opportunity afforded to do the operation on the manikin under supervision and to become thoroughly familiar with the instruments and technique of such operations. Small groups and individual instruction. 1 two-hour period. (*Eight weeks.*) *I and II.* Dr. Maryan, Dr. Kaplan, Dr. Newberger.

19. *Clinic.*—Research and Educational Hospital. *I and II.* (1.) Professor Falls.

Elective Courses—Fourth Year

(Will not be given for less than 5 or more than 15 students)

56. *Heart Complications in Pregnancy.—II.* (1.) Dr. Hill.

57. *Manikin.—I.* (1.) Dr. Martin, Dr. Krohn.

58. *Review Course.—I.* (1.) Dr. Jacobson and Dr. Rose.

59. *Obstetrical Laboratory.—I.* (1.) Dr. Krohn.

Course for Graduate Students

101. *Research in Obstetrics and Gynecology.—One to three units.* Professor Falls.

B. GYNECOLOGY

Required Courses—Fourth Year

1. *Lecture and Quiz.*—Continuous through the year. (1.) Professor Falls, Assistant Professors Stone, Lackner, Lash; Dr. Lifvendahl, Dr. Maryan, Dr. Scott, Dr. Rose, Dr. Kobak.

4. *Seminar.—I.* (*Eight weeks.*) (1). Assistant Professor Lang, Dr. Jacobson, Dr. Kaplan, Dr. Hill, Dr. Forkosh.

7. *Clinic.*—Cook County Hospital. Operative and demonstration course. 1 two-hour period. (1.) Professor Falls.

15. *Clinic Dispensary.*—Small groups instructed in history taking and physical examinations; treat minor gynecological complaints under supervision. 3 two-hour periods. (*Three weeks.*) *I and II.* (1.) Assistant Professors Lang, Stone, Lash; Dr. Kobak, Dr. Summerville, Dr. Hill, Dr. Maryan, Dr. Scott, Dr. Forkosh, Dr. Bloomfield.

16. *Gynecological Laboratory.*—(See Obstetrics 16.) 1 two-hour period. (*Four weeks.*) *I and II.* Dr. Hill, Dr. Summerville.

Elective Courses—Fourth Year

50. *Pelvic Neoplasms.—II.* (1.) Dr. Lifvendahl.

51. *Pelvic Inflammation.—II.* (1.) Dr. Kobak.

52. *Uterine Hemorrhages.—II.* (1.) Assistant Professor Browne.

53. *Menstrual Disorders.—I.* (1.) Dr. Summerville.

54. *Operative Gynecology.—I and II.* (1.) Professor Falls.

56. *Pre-operative and Post-operative Gynecological Treatment.—I.* (1.) Dr. Schneider.

57. *Gynecological Diagnostic Methods.—II.* (1.) Assistant Professor Stone.

OPHTHALMOLOGY

Professors: Findlay, Wood (Emeritus), Gamble (Emeritus).
Associate Professor: Beard (Acting Head of the Department).
Assistant Professors: Folk, Smith.
Associates: Wolf, Kaufman.
Instructor: Apple.
Assistants: Reznick, Riser, Brooks, Clark, Fox, Lowell, Mulcahy.

Required Courses—Fourth Year

1. *Clinic and Dispensary.*—Includes normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts, and study of eye diseases which the general practitioner most frequently encounters. 5 two-hour periods. (*Four weeks.*) *I and II.* Assistant Professor Folk.

2. *Didactic Ophthalmology.*—Illustrated lectures and quizzes. *I.* (1.) Associate Professor Beard, Assistant Professor Folk.

For Physician's Courses see page 52.

Course for Graduate Students

101. *Research in Ophthalmology.—One to three units.*

ORTHOPAEDICS

Professor: Thomas (Head of the Department).
Assistant Professors: Hark, Murphy.
Associate: Marshall.
Instructors: Fischer, Mullen, Ross, Lambert.
Assistants: Grimmer, Newman.

Required Courses—Third Year

3. *Practice.*—Conferences, recitations. *II.* (1.) Professor Thomas, Assistant Professors Hark, Murphy; Dr. Marshall, Dr. Fischer, Dr. Lambert, Dr. Ross, Dr. Mullen.

5. *Clinic.*—1 one-hour period *I.* (1.) Professor Thomas.

6. *Clinical Operative Orthopaedic Surgery.—I and II.* (2.) (*Eight weeks.*) Professor Thomas; Assistant Professor Hark, Dr. Lambert.

15. *Clinic.*—3 two-hour periods. (*Three weeks.*) *I and II.*
    (a) *Dispensary.*—Professor Thomas, Assistant Professors Hark, Murphy; Dr. Marshall, Dr. Fischer, Dr. Lambert, Dr. Ross, Dr. Mullen.
    (b) *Physiotherapy.* — Theory: Electrotherapy, hydrotherapy, mechanicotherapy, massage, muscle re-education. Practical demonstration.

Elective Courses—Fourth Year

50. *Special Topics in Surgery of Joints.*—Operative management of injuries, infections and tumors of the extremities and spinal column. *I.* (1.) Professor Thomas and staff.

51. *Surgery of Bones and Joints.*—Cadaver demonstrations of operations for the reconstructions of extremity deformities; malunion and nonunited fractures; bone transplants and fusions in Pott's disease and in fractured spines; reconstruction in fractured hips; operations following infantile paralysis. *II.* (1.) Professor Thomas and staff.

Special Physiotherapy Instruction

Clinic, Dispensary and Practice. Nurses, teachers and physical education graduates; a practical course for men and women interested in teaching crippled children and physical rehabilitation in special schools or industrial work. Registration limited. Fee for four month period $50.00.

Course for Graduate Students

101. *Research in Orthopaedics.—One to three units.* Professor Thomas.

For Physician's Courses see page 52.

PATHOLOGY, BACTERIOLOGY, AND PUBLIC HEALTH

Professors: Davis (Head of the Department), Petersen, Arnold, Jaffe.
Associate Professors: Pilot, Levinson, Nedzel, Saphir.
Assistant Professors: Shaughnessy, Ladd, Hull, Milles, Piette.
Associates: Beach, Kremer.
Instructors: McDaniels, Boikan, Gulbrandsen, Kearns, Klein, Levine, Melnick, Neiman, Weiss, Fowler, Ragins.
Assistants: Kleppe, Clark-Dorrell, Kuchlewski, Sruogins, Dreyer, Schlegel, Kominik.
Cooperating: Mr. MacFate.

Required Courses—Second Year

1. *General Bacteriology and Protozoology.*—Lectures, demonstrations; 3: laboratory; 6 hours. *I.* Professor Arnold. Associate Professor Nedzel and assistants.

2. *General Pathology and Pathological Histology.*—Lectures, recitations, demonstrations; 3: laboratory; 9 hours. *II.* Professor Petersen, Associate Professors Pilot, Levinson and assistants.

4. *Clinical Pathology.*—Chemical and microscopical examination of urine, feces and blood, with emphasis on technique. Lectures and demonstrations; 1: laboratory; 4 hours. *II.* Associate Professor Levinson, Mr. MacFate, and assistants.

5. *Preventive Medicine.*—General principles of prevention of disease. Epidemiology. *II.* (2.) Professor Arnold and assistants.

Required Courses—Third Year

24. *Autopsies.*—Routine postmortem examinations, practical work and demonstrations. 1 two-hour period. *I and II.* Associate Professor Levinson, Assistant Professor Milles and assistants.

25. *Special Pathology.*—Gross and microscopic examination of pathological material, postmortem bacteriology and experimental pathology. 1 three-hour period. *II.* Associate Professors Pilot, Saphir; Assistant Professor Milles; Dr. Learner, and assistants.

Required Course—Fourth Year

29. *Industrial Hygiene and Public Health.*—Industrial and occupational diseases; control and prevention. *II.* (2.) Professor Arnold, Dr. Beach.

Elective Courses

(Open only to properly qualified students. Time to be arranged.)

51. *Advanced Work and Research.*—Professors Davis, Petersen, Arnold.

52. *Industrial Hygiene.*—Professor Arnold, Dr. Beach.

53. *Advanced Work in Public Health.*—Professor Arnold.

55. *Diagnosis of Tumors.*—Professor Petersen, Associate Professor Pilot, Dr. Milles.

56. *Legal Medicine.*—Associate Professor Levinson.

Courses for Graduate Students

101. *Advanced Pathogenesis.*—Pathology and Bacteriology. *One or two units.* Professors Davis, Petersen, Arnold; Associate Professor Pilot.

105. *Individual Research.—One or two units.* Professors Davis, Petersen, Arnold; Associate Professor Pilot.

PEDIATRICS

Professors: Hess (Head of the Department), Earle (Emeritus), Irish, Blatt.
Assistant Professors: Bower, Calvin, Rosenblum, Poncher.
Associates: Goldberger, Greengard, Chamberlain, Robins, Saltiel, Bronstein, Gasul, Hoffman, Leichenger, Weinfeld.
Instructors: Furby, Cohen, Levin, Pauker, Halpern, Suldane, Abrams.

Assistants: TIGAY, WOODWARD, PADNOS, MCKINLEY, SCHNEIDER, ABELSON, FRAZIN, BARATZ, LEVY.
Cooperating: Professor SCHROEDER.

Required Courses—Third Year

1. *Practice and Clinic.*—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. *I.* (1.) Professor HESS.
4. *Practice.*—Recitations. *II.* (1.) Professor IRISH and assistants.
5. *Clinic.*—Cook County Hospital. (*Eight weeks.*) *I and II.* (1.) Assistant Professor CALVIN.
6. *Clinic.*—Cook County Hospital. (*Eight weeks.*) *I and II.* (1.) Assistant Professor ROSENBLUM.
9. *Clinic.*—Cook County Hospital. Contagious diseases. (*Four weeks.*) *I and II.* (2.) Assistant Professor BOWER, Dr. LEICHENGER and Dr. GASUL.

Elective Courses—Third Year

50. *Physical Diagnosis in Childhood.*—(*Eight weeks.*) *I and II.* (1.) Dr. SALTIEL.
51. *Syphilis and Gonorrhea in Childhood.*—Dr. HOFFMAN.
52. *Tuberculosis in Childhood.*—(Also open to seniors.) Dr. GREENGARD.

Required Courses—Fourth Year

10. *Clinic.*—Dispensary; Research Hospital. 3 two-hour periods. (*Four weeks.*) *I and II.* DISPENSARY STAFF.
12. *Clinic.*—Cook County Hospital. 1 two-hour period. *I and II.* Professor HESS.
13. *Clinic.*—Cook County Hospital. Physical diagnosis and demonstration of cases. 1 two-hour period. (*Eight weeks.*) I and II. Professor IRISH.
14. *Clinic.*—Cook County Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Professor BLATT.

Elective Courses—Fourth Year

61. *Tuberculosis in Childhood.*—(*Eight weeks.*) *I and II.* (1.) Dr. GASUL.
62. *Clinical Pediatrics.*—Research Hospital. *I and II.* (1.) Assistant Professor PONCHER.
63. *Hematology in Infancy and Childhood.*—(2.) (*Eight weeks.*) *I and II.* Assistant Professor PONCHER.
66. *Pediatrics.*—Mental Hygiene in infancy and childhood. (*Eight weeks.*) *I and II.* (1.) Professor SCHROEDER.

Course for Graduate Students

101. *Research in Pediatrics.—One to three units.* Professor HESS, Assistant Professor PONCHER.

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Professors: MCGUIGAN (Head of the Department), FANTUS.
Associate Professor: CAMP.
Associate: EWING.
Lecturer: MUEHLBERGER.
Assistants: HIGGINS, GANT, DYNIEWICZ, HELFRICH.

Required Courses—Second Year

(*Prerequisites:* Physiology, Course 1, or equivalent; Physiological Chemistry, Courses 51 and 52, or equivalent.)

1. *Pharmacology.*—Lectures; 3: laboratory; 6. *I.* Professor McGuigan, Associate Professor Camp, Mr. Ewing, Dr. Higgins.

4. *Pharmacology.*—Lectures or quizzes; 2: laboratory; 2. *II.* Professor McGuigan, Associate Professor Camp, Mr. Ewing, Dr. Muehlberger, Dr. Higgins, Mr. Helfrich.

Required Course—Third Year

5. *Therapeutics.*—*I.* (2.) Professor McGuigan, Professor Fantus, Miss Dyniewicz.

Elective Courses

(*Minimum registration:* 5 students for each course)

50. *History of Pharmacology and Toxicology.*—Review of modern books pertinent to the subject. Professor McGuigan, Associate Professor Camp.

51. *Materia Medica.*—Prescription writing. Professor McGuigan, Associate Professor Camp.

52. *Toxicology.*—Professor McGuigan, Associate Professor Camp.

53. *Systemic Pharmacology.*—(a) eye, (b) digestive systems, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart and kidneys. Professor McGuigan, Associate Professor Camp.

54. *Fundamental Principles of Therapy.*—Professor Fantus.

55. *Correlation of Pharmacology and Therapeutics.*—Professor McGuigan, Associate Professor Camp.

56. *Seminar.*—Open to selected students. The staff.

Courses for Graduate Students

101. *Advanced Pharmacodynamics.—One or two units.* Professor McGuigan, Associate Professor Camp.

103. *Research in Pharmacodynamics.—One or two units.* Professor McGuigan, Associate Professor Camp.

PHYSIOLOGICAL CHEMISTRY

Professor: Welker (Head of the Department).
Associate Professor: Bergeim.
Assistant Professor: Cole.
Instructors: MacFate, Johnson.
Assistants: Briggs, Harvey.

Required Courses—First Year

51. *Physico-chemical Properties of Solutions.*—Chemistry of carbohydrates, lipides, and proteins. Enzymes and digestion. Lectures, demonstrations, conferences; 1½: laboratory; 4. *I.* Professor Welker; Associate Professor Bergeim; Assistant Professor Cole, Dr. Johnson, Miss Briggs, Mr. Harvey, and assistants.

52. *Chemistry of Bile, Blood, Milk and Tissues.*—Metabolism. Chemistry of urine (qualitative and quantitative). Lectures, demonstrations, conferences; 1½: laboratory; 4. *II.* Professor Welker; Associate Professor Bergeim; Assistant Professor Cole, Dr. Johnson, Miss Briggs, Mr. Harvey, and assistants.

Elective Courses

60. *Special Topics in Biochemistry.*—Blood analysis. Vitamine studies. Methods and clinical significance. Associate Professor Bergeim.

61. *Physical and Colloid Chemistry.*—The elements of physical and colloid chemistry and their application to biology and medicine, with emphasis on the chemistry of the proteins. Assistant Professor Cole.

62. *Preparation of Pure Proteins.*—Professor Welker.

Biochemical Seminar.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

Research.—The laboratories are open to qualified persons for the conduct of original investigations under the direction of the staff.

Courses for Graduate Students

101. *Advanced Biological Chemistry.*—Biochemical methods of research, biological colloids, enzyme action and metabolism. *One or two units.* Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.

103. *Biochemical Research.—One or two units.* Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.

PHYSIOLOGY

Professors: Visscher (Head of the Department), Bachem, Gellhorn.
Assistant Professor: Reed.
Associate: Gelfan.
Instructor: Smith.
Assistants: Ingraham, Peters, Northup, Steck.

Required Course—First Year

1. *Human Physiology.*—The function of the several tissues and organs and the correlation and regulation of their activities in the human organism. Lectures, conferences, demonstrations and laboratory. *II.* (7.) Professors Visscher, Bachem, Gellhorn; Assistant Professor Reed and Staff.

Required Course—Second Year

2. *Human Physiology.*—Continuation of Physiology 1. *I.* (8.) Professors Visscher, Bachem, Gellhorn; Assistant Professor Reed and staff.

Elective Courses

(Open only to qualified students.)

51. *The Physiology of the Heart.*—Professor Visscher.

52. *Physiological Effects of Radiations.*—Professor Bachem.

53. *The Physiology of the Alimentary Tract.*—Assistant Professor REED.
54. *Functions of Endocrine Glands.*—Assistant Professor REED.
55. *Problems in Physiology.*—Professors VISSCHER, BACHEM, GELLHORN, Assistant Professor REED.
56. *History of Physiology.*—Professor VISSCHER.

Courses for Graduate Students

101. *Research in Physiology.—One to three units.* Professors VISSCHER, GELLHORN, Assistant Professor REED.
102. *Research in Biophysics.—One to three units.* Professor BACHEM.
103. *Seminar in Selected Fields.—One unit per semester.* Professor VISSCHER, BACHEM, GELLHORN, Assistant Professor REED.
104. *Current Literature Seminar.—One-half unit per semester.* Required of all graduate students in Physiology. Professors VISSCHER, BACHEM, GELLHORN, Assistant Professor REED.

SURGERY

A. GENERAL SURGERY

Professors: HEDBLOM* (Head of the Department), HARSHA (Emeritus), C. DAVISON (Emeritus), HUMISTON, N. M. PERCY, DYAS, PHIFER, DE TARNOWSKY.

Associate Professors: POST, NADEAU.

Assistant Professors: DAVENPORT, MCARTHUR, JIRKA, METZ, BAMBERGER, KOUCKY, SEED, KORDENAT, MALCOLM, MORA, OLDBERG (Acting Head of the Department), PUESTOW.

Associates: STEPHENS, WALLACE, JOANNIDES, KRONENBERG, ZECHEL, SARMA, VAN HAZEL

Instructors: WERNICKE, WILLIS, MEYER, ODEN, STEIN, DELANO, ALMQUIST, MARSHALL, MISHKIN, SCHULTZ, SCUDERI, MURPHY, G. L. PERCY.

Assistants: BRAUDE, PARKER, ALCORN, BROWN, DRUECK, GILLESBY, R. M. DAVISON, GARLAND, BEST, BRAUN, KRAMP, MARQUARDT, JAFFRAY, THRASHER.

Anaesthetist: BRUNNER.

Required Course—Second Year

1. *Fundamental Principles of Surgery.*—Asepsis, Anaesthesia, Shock, Hemorrhage, Septicemia, Surgery of the Skin, Blood Vessels and Lymphatics, and Surgical Dressings. *II.* (2.) Professor HEDBLOM* and staff.

Required Courses—Third Year

2. *Regional Surgery and Surgical Pathology.*—Conferences, demonstrations, recitations. Continuous through the year. (2.) Professor PHIFER, Associate Professor POST; Assistant Professors BAMBERGER, SEED.
5. *Surgical Diagnosis.*—Research and Educational Hospital. *I and II.* (1.) Professor HEDBLOM.*
6. *Clinic.*—Research and Educational Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor MALCOLM.
7. *Clinic.*—Dispensary, Research and Educational Hospital. History taking, Diagnosis, Minor Surgery and Surgical Dressings. 3 two-hour periods. (*Three weeks.*) *I and II.* Assistant Professors BAMBERGER, KORDENAT, MORA; Dr. KRONENBERG, Dr. SARMA, Dr. WALLACE; Dr. ALMQUIST, Dr.

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*Deceased June 6, 1934.

DELANO, Dr. PERCY, Dr. VAN HAZEL, Dr. DRUECK, Dr. MISHKIN, Dr. WERNICKE, Dr. ZECHEL.

11. *Clinic.*—Cook County Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Professor DYAS.

13. *Clinic.*—Augustana Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Professor PERCY.

Elective Courses—Third Year

50. *Principles of Surgery.*—A review course. *II.* (2.) Assistant Professor MORA, Dr. PARKER.

53. *Surgery of Fractures.*—*I.* (2.) Assistant Professor MALCOLM.

55. *Blood Transfusion, Surgical Dressings, and Bandaging.*—Individual instruction and demonstration. *I.* (1.) Assistant Professor KORDENAT.

57. *Surgical Diagnosis.*—*I.* (1.) Dr. JOANNIDES, Dr. MEYER.

Required Courses—Fourth Year

20. *Clinic.*—Research and Educational Hospital. Continuous through the year. (1.) Professor HEDBLOM.*

23. *Clinic.*—Research and Educational Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor PUESTOW.

24. *Clinic.*—Cook County Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Professor DYAS.

25. *Clinic.*—Washington Boulevard Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor METZ.

26. *Surgical Pathology.*—Laboratory. 1 two-hour period. (*Eight weeks.*) *I and II.* Associate Professor NADEAU.

27. *Oral Surgery.*—1 two-hour period. (*Four weeks.*) *I and II.* Dr. SCHULTZ.

28. *Clinic.*—Research Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Professor DE TARNOWSKY.

32. *Clinic.*—Augustana Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Professor PERCY.

34. *Clinic.*—Research and Educational Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor OLDBERG.

36. *Clinic.*—Cook County Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor JIRKA.

Elective Courses—Fourth Year

51. *Regional Surgery.*—A review course. *I.* (2.) Assistant Professor MORA, Dr. PARKER.

52. *Surgical Diagnosis.*—*II.* (1.) Dr. ODEN.

59. *Surgery of the Neck.*—*II.* (1.) Assistant Professor SEED.

60. *Surgery of the Thorax.*—*II.* (1.) Dr. VAN HAZEL.

63. *Principles and Practice of Anaesthesia.*—*I and II.* (1.) Dr. BRUNNER.

65. *Surgical Diagnosis.*—*II.* (1.) Dr. STEPHENS.

68. *Operative Surgery on Animals.*—1 two-hour period. *II.* Assistant Professor KOUCKY.

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*Deceased June 6, 1934.

70. *Research on Assigned Problems.*—Professor Hedblom* and staff.
73. *Treatment of Fractures.—I.* (1.) Professor De Tarnowsky.
74. *Neurological Surgery.—I.* (1.) Assistant Professor Oldberg.
75. *Regional Surgical Anatomy.—I.* (1.) Dr. Zechel.
77. *Surgical Technic.—II.* (1.) Assistant Professor Puestow.
78. *Surgery of Fractures.—II.* (2). Dr. Scuderi.

Course for Graduate Students

101. *Research in Surgery.—One to three units.* Professor Hedblom,* Assistant Professors Oldberg, Puestow.

B. GENITO-URINARY SURGERY

Professor: McKenna.	Associates: Hirsch, Ewert.
Associate Professor: O'Conor.	Instructors: Platin, Ritch.
Assistant Professor: Herrold.	Assistants: Gernon, Schacht.

Required Courses—Third Year

3. *Practice.*—Conferences, recitations. *I.* (1.) Associate Professor O'Conor, Assistant Professor Herrold, Dr. Ewert.

5. *Clinic.*—Dispensary. 3 two-hour periods. (*Three weeks.*) *I and II.* Professor McKenna; Dr. Platin, Dr. Ewert, Dr. Gernon, Dr. Schacht.

Required Courses—Fourth Year

12. *Clinic.*—Washington Boulevard Hospital. 1 two-hour period. *(Four weeks.) I and II.* Associate Professor O'Conor.

13. *Clinic.*—Research and Educational Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catheterization of ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. 1 two-hour period. *(Four weeks.) I and II.* Professor McKenna.

Elective Course—Fourth Year

51. *Surgery of the Genito-urinary tract.—I and II.* (1.) Professor McKenna, Associate Professor O'Conor.

For Physician's Courses see page 53.

SPECIAL COURSES FOR PHYSICIANS

The following courses are open to physicians with degrees from recognized institutions. In all cases the approval of the head of the department concerned must be secured. The registration is conducted in the office of the Recorder and Examiner and the fees are payable in advance at the Business Office:—

ANATOMY

60. *Anatomy Dissection.*—This course for physicians and surgeons only, provides for complete or partial dissection of the human cadaver. The length of the course does not exceed four months and is limited to the spring and summer periods until more space is available. Special instruction is given only if four or more persons are taking the course at the same time, and if they desire it. The fee for four months is $100.00, and may be shared by two students.

JUVENILE BEHAVIOR

80. *Clinical Course.*—The treatment of behavior problems in children is properly the function of the pediatrician and general practitioner. This course is designed to meet the needs of the physician in the recognition and treatment of juvenile behavior problems. Emphasis is placed upon social factors (environment) and family inter-relationships. The physician participates in the study and treatment of cases in the Institute for Juvenile Research. Duration, minimum four months. The course is offered in two parts—(a) lectures and conferences; (b) clinic—as follows:

80a. *Lectures and Conferences.*—A series of eight lectures and conferences on behavior disorder as a part of organic disease, recognition and management of mental deficiency with community resources, habit training (bed wetting, anorexia, thumb sucking, etc.), behavior disorders due to unhealthy parent-child relationship and their management, and delinquency. Hours to be arranged. Fee, $10.00.[1]

80b. *Clinic.*—Prerequisite 80a. (80a may be taken concurrently with 80b.) Analysis and treatment of behavior problems under supervision. Hours to be arranged. Fee, $40.00.[1]

NEUROPSYCHIATRY

80. *Clinical Course.*—Designed to present methods of examination and indications for treatment. Includes attendance at clinics and ward rounds, work in anatomy, physiology, pathology, serology, etc. Hours to be arranged. Registration limited. Fee for four months period, $50.00.

OPHTHALMOLOGY

80. *Clinical Course.*—Designed for those who wish to take up ophthalmology as a specialty. Only one process is studied at a time. Processes taught are: *I.* Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification); *II.* Measurements of Disc Levels, Perimetry, Objective Findings in External and Fundus Diseases, Case-History Writing and Diagnosis, Prognosis, and Treatment of a given case as a whole. This course extends over three periods of four months each, and no applicant is accepted for registration for less than the full twelve months. Pathology is taken with undergraduate students. Hours: 9 to 12 a.m., 6 days per week. The fee for each period of four months is $50.00.

81. *Pathology of the Eye.—(Four months.)* Hours to be arranged. *I or II.* Associate Professor Beard.

ORTHOPAEDICS

80. *Clinical Course.*—Designed to present and show the importance of examination and systematic development of indications. Includes, (a) Attendance at clinics and ward rounds, (b) Operative orthopaedic surgery on cadavers, (c) Assistance at operations, (d) Work in pathology, psychiatry, general surgery, physiotherapy, neurology, serology, etc. Hours to be arranged. Registration limited. Fee for 4 months period, $50.00.

ROENTGENOLOGY

80. *Clinical Course.*—Designed for those desiring to take up roentgenology as a specialty. Includes theoretical and practical teaching of the use of roentgen rays and radium for diagnosis and treatment. Offers opportunity to observe the technique of all standard roentgen examinations. Instruction given in interpreting findings on films and fluoroscopic screen and in the application of radiation to superficial and deep lesions. Extends over two semesters of four months each and no applicant is accepted for less than the full period. Number limited. Hours: 8:30 to 12 a.m., 2 to 5 p.m. Fee for each semester, $100.00

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[1] Fees subject to change by the Board of Trustees.

OTOLARYNGOLOGY

80. *Clinical Assistantship.*—This course is primarily intended for Post-Graduates in the Department of Otolaryngology. It is designed to present standardized methods in diagnosis and the problems of treatment based upon the pathological findings of cases in the ambulatory clinics of the Research and Educational Hospital. Case history taking, methods of examinations, special anatomy (optional), gross pathology and indications for treatment and operation are stressed. The work is done for the most part independently under proper supervision and direction. An effort is made to assist the students in some of the more difficult phases of their clinical work by practical demonstration courses, which are also available as review courses for men already established in special practice. The course extends over a period of four months and for three periods a year. The fee for each period of four months is $100.00. Hours: 10 to 12 a.m. and 2 to 4 p.m., six days a week. Professor Lederer and staff.

81. *Functional Tests of the Ear.*—(a) Cochlear apparatus with special consideration of the use of tuning forks; (b) Vestibular apparatus with special reference to the caloric, rotatory and galvanic tests. 10 hours. Minimum, 2 students. Fee, $25.00. Assistant Professor J. J. Theobald, Dr. S. L. Shapiro.

82. *Tuberculosis of the Larynx.*—Municipal Tuberculosis Sanitarium. Demonstration upon patients of typical aspects of the disease with exact description of differential diagnosis and method of therapy. 10 hours. Limited to two students. Fee, $25.00. Professor Lederer.

83. *Intubation and Tracheotomy.*—Municipal Contagious Disease Hospital. Demonstration upon patients with discussion of indications and treatment; manikin practice. 12 hours. Limited to two students. Fee, $50.00. Professor Lederer.

84. *Histopathology of the Ear, Nose and Throat.*—Demonstration of gross and microscopic specimens; laboratory technique. 20 hours. Limited to 2 students. Fee, $50.00. Dr. Fox.

85. *Bronchoscopy and Esophagoscopy.*—Research Hospital. Demonstration of methods of examination, indications and contraindications; manikin practice; technique of bronchography. 12 hours. Limited to two students. Fee, $50.00. Professor Lederer, Dr. Fishman.

86. *Otoneurology.*—Vestibular apparatus in relation to labyrinthine disease, brain tumors and head injuries. 10 hours. Limited to 5 students. Fee, $25.00. Dr. S. L. Shapiro.

87. *Surgical Anatomy and Surgery of the Mastoid.*—Demonstration of specimens and technique of operation. Practice on the cadaver. 10 hours. Limited to 2 students. Fee, $50.00. Professor Lederer, Dr. A. C. Kane.

88. (a) *Surgical Anatomy of the Nose and Sinuses.*—
(b) *Clinical Aspects of Sinus Disease.*—10 hours. Minimum registration, 2 students. Fee, $25.00.
Assistant Professor W. H. Theobald, Dr. Van Alyea, Dr. L. Fishman

Note: Courses 81 to 88, inclusive, may be registered for individually or in groups, the time being arranged for with the instructors. Applicants must be graduates of a Class A medical school and present proper credentials acceptable to the chairman of the department for admission.

89. *Otolaryngological Seminar.* — Presentation and discussion of clinical cases; critical reviews of results of investigations and current literature. Weekly conferences.

SURGERY

80. *Special Surgery.*—Practical instruction in diagnosis including interpretation of roentgenographic findings, operative clinics, post-operative care, assigned readings. Fee, $100 per semester.

PROVISIONAL SUMMARY OF CLOCK HOURS

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
FIRST YEAR					
Anatomy, Gross	24	128	24	112	288
Histology	24	72	12	36	144
Embryology	24	48	..	..	72
Neurology	..	..	24	48	72
Physiological Chemistry	24	64	24	64	176
Physiology	..	..	64	48	112
Total	96	312	148	308	864
SECOND YEAR					
Bacteriology	48	96	..	..	144
Hygiene	..	..	32	..	32
Medicine	16	..	32	..	48
Physical Diagnosis	..	..	16	32	48
Obstetrics	..	..	16	..	16
Pathology	12	36	36	108	192
Pathology, Clinical	..	..	16	64	80
Pharmacology	48	96	32	32	208
Physiology	64	64	..	..	128
Surgery	..	..	32	..	32
Total	188	292	212	236	928
THIRD YEAR					
Anatomy, Topographic	..	64	..	..	64
Autopsies	..	16	..	16	32
Pathology, Special	..	..	..	48	48
Criminology 5	..	..	16	..	16
Dermatology	16	..	16	..	32
Medicine	32	98	32	82	244
Neurology	..	..	16	..	16
Obstetrics	32	17	32	17	98
Otolaryngology	16	17	16	17	66
Pediatrics	16	12	16	12	56
Psychiatry 6	..	..	16	..	16
Therapeutics	32	..	..	..	32
Surgery	32	50	32	50	164
Genito-urinary Surgery	16	9	..	9	34
Orthopaedics	..	25	16	25	66
Electives	32	..	32	..	64
Total	224	308	240	276	1048
FOURTH YEAR					
Dermatology	16	6	16	6	44
Gynecology	20	21	20	21	82
Hygiene	..	32	..	..	32
Jurisprudence	..	..	16	..	16
Medicine	16	104	32	104	256
Neurology	..	24	..	40	64
Obstetrics	..	20	..	20	40
Ophthalmology	16	20	..	20	56
Otolaryngology	..	8	..	8	16
Pediatrics	..	44	..	44	88
Psychiatry	..	12	..	12	24
Roentgenology	32	12	..	..	44
Surgery	..	84	..	84	168
Genito-urinary Surgery	..	8	..	8	16
Electives	88	..	88	..	176
Total	188	395	172	367	1122

COLLEGE ORGANIZATIONS

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE

President—M. Robert Weidner, '83, 417 Lincoln St., Dolton, Ill.
President-Elect—Maximillian J. Hubeny, '09, 1209-25 E. Washington St., Chicago.
First Vice-President—Frank C. Linden, '89, 639 N. Pine Ave., Chicago.
Second Vice-President—L. Rock Sleyster, '02, 25 E. Washington St., Chicago.
Third Vice-President—Walter Lovejoy, '83, 23 N. 5th Ave., Maywood, Ill.
Secretary-Treasurer—Henry P. Dorman, '32, 432 S. Lincoln St., Chicago.
Chairman Executive Committee—V. F. Masilko, '00, 2524 S. Keeler Ave., Chicago.
Necrologist—Felix H. Renberg, '05, 3037 Wentworth Ave., Chicago.
Alumni Councillors—
Joseph Zabokrtsky, '01, 31 N. State St., Chicago.
A. J. Toman, '31, 3202 W. Cermak Rd., Chicago.
John M. Krasa, '13, 3335 W. 26th St., Chicago.
Wm. H. Browne, '27, 2051 Sedgwick St., Chicago.
F. J. E. Ehrmann, '93, 2059 W. 21st St., Chicago.
Frank Kotalik, '13, 6348 W. 26th St., Berwyn, Ill.
Joseph L. Chassell, '01, Belle Fourche, South Dakota.
Clark E. Sanders, '03, San Jose, California.
John H. Evans, '08, 4010 W. Madison St., Chicago.
Wm. A. Plice, '02, 4010 W. Madison St., Chicago.
John M. Lang, '00, 4754 Washington Blvd., Chicago.
George W. Post, '09, 4010 W. Madison St., Chicago.
C. C. Clement, '06, 30 N. Michigan Ave., Chicago.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in fifty-six "Class A" medical schools, was founded in the College of Medicine of the University of Illinois in 1902. Third-year and fourth-year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

Group I.—Class of 1934

Harold S. Feinhandler
Jerome J. Hurwich
Harry R. Schwartz
Anton Smerz
Alex S. Tulsky

Group II.—Class of 1934

Ben B. Elster
Hyman H. Goldstein
Clarence P. Holoffe
Harold Kahn
Maurice Kaplan
David Rosenbloom
Henry C. Rosenstiel
Reuben Rubisoff
Milton Scheffler

Group I.—Class of 1935

George Edward Colyer
Harry I. Shulruff
Danley Philip Slaughter
Milton Tinsley
Morris Waisman

PI KAPPA EPSILON

Pi Kappa Epsilon is an honorary fraternity to which members are selected on a basis of character, personality, and professional qualities.

Class of 1934

George Hickman Burkhart
Earl Clifford Bucher
Charles Edward Brown
Frank Benson Deardorf
Edward E. DeLong
John William Fricke
Robert Wagner Glenn
Jesse Freeland Harrold
Noel John Hershey
William Dean Mohlenbrock

Class of 1935

Merrill Charles Beecher
Henry Sargent Howard
William Henry Kaeiser
James Stedman Reynolds
Richard Vawter Stevenson

Faculty Members Newly Elected in 1933

Claude N. Lambert
Charles B. Puestow

SIGMA XI

In the spring of 1928 the Society of Sigma Xi was granted a charter for the organization of a chapter at the College of Medicine of the University of Illinois. The society has for its object the promotion of research.

Officers for 1933-34.—Dr. A. Bachem, *President*; Dr. C. B. Puestow, *Vice-President*; Dr. W. H. Welker, *Secretary*; Dr. I. Pilot, *Treasurer;* Dr. O. F. Kampmeier, Dr. D. J. Davis, Dr. H. A. McGuigan, *Elective Members of the Executive Committee.*

Elected to Active Membership (May 17, 1933).—Miss E. Delves, *Research Assistant.*

Promotion from Associate to Active Membership.—Dr. Morris A. Kaplan, *Assistant in Medicine.*

Elected to Associate Membership (May 17, 1933).—Dr. H. H. Asher, *Assistant in Metallurgy*; M. Ballin, *Graduate Student*; Dr. A. G. Brodie, *Professor of Orthodontia*; M. R. Cohen, *Graduate Student*; Dr. I. Dreyer, *Graduate Student*; M. A. Dushkin, *Graduate Student*; J. O. Firth, *Graduate Student*; Marion Hood, *Instructor in Medicine*; J. J. Hurwich, *Graduate Student*; Dr. Paul Hurwitz, *Graduate Student*; H. Kahn, *Graduate Student*; I. H. Lederman, *Graduate Student*; W. S. C. Lui, *Graduate Student*; Mrs. H. B. Notestein, *Instructor in Roentgenology*; R. A. Patelki, *Instructor in Chemistry*; J. A. Winsberg, *Graduate Student.*

At the annual meeting, held May 17, 1933, Professor William F. Petersen delivered the scientific address on "The Patient and the Weather."

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets twice a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

Officers for 1933-34.—Dr. Maurice B. Visscher, *President,* and Dr. William H. Welker, *Secretary.*

Papers Read Before the Club, 1932-33

"Blood Cysts on the Heart Valves of New Born Infants," Drs. A. Learner and S. A. Levinson.

"Study of the State of Calcium in the Blood," Mr. L. M. Dillman.

"Nutritional Anemia in Infancy," Dr. H. G. Poncher.

"The Preparation of Crystallized Egg Albumin (Ovalbumin)," Dr. A. G. Cole.

"A Modified Conception of Focal Infection," Dr. I. Pilot.

"Hematin: Its Relation to the Benzidine Reaction," Dr. C. A. Johnson.

"Blood Types in Hemophilia," Dr. C. L. Birch.

"The Influence of the Concentration of Iodoacetic Acid upon the Rate of Lactate Formation in Muscle," Mr. P. W. Smith.

"Enterogenous Cysts and Diverticula," Drs. H. G. Poncher and G. Milles.

"Experience with the Use of Fomalinized Pollen Extract in the Treatment of Hay Fever," Major A. P. Hitchens.

"The Effect of Filtered Air on Hay Fever and Pollen Asthma," Drs. T. Nelson, B. Z. Rappaport and W. H. Welker.

"Cholecystography in Jaundice," Dr. E. Foley.

"Scarlet Fever Streptococci," Dr. I. Pilot.

"Stomach: Comparative Analysis of Gastric Cases (Period April 1925-April 1932)," Dr. M. H. Streicher.

"Viable Organisms Cultivated from Apparently Sterile Fluids," Mr. H. E. McDaniels.

"On Skulls from New Britain and on South Sea Craniology," Dr. G. von Bonin.

"The Viability of Bacteria within the Gastric Lumen," Mr. T. M. Johnson.

"The Influence of Gastric Acidity upon the Viability of Bacteria in Isolated Stomach," Dr. A. J. Nedzel.

"Bacteriostatic Action of Gastric Secretions of Man," Dr. L. Gulbrandsen.

"Problems in Animal Pathology," Dr. Robert Graham.

"Relative Public Health Significance of Animals as Reservoirs of Contagion," Dr. L. Arnold.

"Absorption of Bacteria from the Isolated Stomach," Dr. A. J. Nedzel.

"Comparison of the Efficacy of Pollen Extracts Prepared by Different Methods in the Treatment of Pollen Sensitive Individuals," Dr. T. Nelson.

"Bacterial Sensitivity to Ultraviolet Light," Dr. A. Bachem and Mr. M. A. Dushkin.

"Color and Color Photography," with demonstrations and lantern slides, Mr. John Powrie.

"Mental Aspects of Pulmonary Tuberculosis," Dr. LAWRASON BROWN.

"A Urinary Compound of Albumin, Bence Jones Protein, Pseudoglobulin and Unknown Antigen," Drs. L. HEKTOEN and W. H. WELKER.

"Brain Changes in Legal Electrocution," Dr. G. B. HASSIN.

"The Influence of Hormones, Ions and Nervous Stimulation on Absorption and Its Significance for the Mechanism of the Action of the Autonomic Nervous System," Dr. E. GELLHORN, Mr. D. NORTHUP and Dr. A. SKUPA.

"Ultraviolet 'Stimulation' of Bacteria," Dr. A. BACHEM and Mr. M. A. DUSHKIN.

"Studies on the Human Omentum with Special Reference to Its Lymphatics," Dr. P. H. SIMER.

PHI MU PHI

(Physicians—Music—Fellowship)

The Glee Club of the College of Medicine of the University of Illinois offers to members in good standing the key of Phi Mu Phi. Voice try-outs are held at the beginning of the fall session and students from the first-year and second-year classes who fulfill the qualifications embodied in the motto of the Club are selected.

The following students received keys in 1933:

JULIUS ARONOW (Director, 1933-34)
NORMAN LUDLOW BAKER
MAURICE GRAZIANO FARINACCI
CHARLES G. KEIGWIN
MITCHELL JOSEPH NECHTOW
HENRY BERNARD OKNER
L. TERRY (Director, 1932-33)

The following students are eligible for keys in 1934:

JULIUS BERMAN
CLEMENT CLARK COLEMAN
ALFRED JOSEPH GOLDSTEIN
WILLIAM ADDISON HUTCHISON
HAROLD JAY KOCH
PHILIP RANKIN LATTA
SIDNEY LEVINE
WINSTON K. NIX
JOHN DWIGHT OVERHOLSER

DEGREES CONFERRED

From May 1, 1933, to May 1, 1934

(See also page 84.)

Degree of Doctor of Medicine

Benjamin Appelman, B.S., M.S.	July 1, 1933
Edward Aron, Ph.G.	July 1, 1933
Lester White Baird, B.S.	July 1, 1933
Harry Gregory Becker, B.S.	July 1, 1933
David Andrew Bennett, B.S.	December 31, 1933
Harry Berman, B.S.	December 31, 1933
Edward Charles Bernell, B.S., M.S.	July 1, 1933
William Edward Bretz, B.S.	July 1, 1933
Florence R. Buky, A.B., B.S.	June 11, 1933
Jerry Chobot, B.S.	March 31, 1934
Thomas Joseph Conley, Jr., B.S.	July 1, 1933
William Jackson Copeland, A.B., B.S.	July 1, 1933
Howard George Diesner, B.S.	July 1, 1933
William Clay Dine, Jr., B.S., M.S.	July 1, 1933
Samuel Irwin Ditkowsky, B.S.	July 1, 1933
Claire Maurice Dixon, B.S.	July 1, 1933
Delmar Eichler Domke, B.S.	July 1, 1933
Raymond Flowers Donovan, B.S.	July 15, 1933
Murray Sayle DuMont, Ph.G., B.S.	July 1, 1933
Maurice Irwin Edelman, B.S.	December 31, 1933
Gilbert Harold Edwards, A.B., B.S.	July 1, 1933
Fred C. Endres, B.S.	July 1, 1933
Arthur Loyal Ennis, B.S.	July 1, 1933
Leon Marius Erenberg, B.S.	July 1, 1933
Daniel Feiman, B.S.	July 1, 1933
Albert Hyman Feinerman, B.S.	December 31, 1933
Howard Albert Finney, B.S.	July 1, 1933
John Oscar Firth, B.S., M.S.	July 1, 1933
George Herman Felischli, B.S.	June 15, 1933
Jack Galin	July 1, 1933
George Cullom Geymer, B.S.	July 1, 1933
John Hamilton Gilmore, B.S.	July 1, 1933
George Goldenberg, B.S.	December 31, 1933
Ephraim Frank Goodman, B.S.	July 1, 1933
Leo Jack Greenberg, B.S.	July 1, 1933
Milton Handelman, B.S.	July 1, 1933
Irving Maurice Harter, B.S.	July 1, 1933
Rudolph Hecht, B.S., M.S.	December 31, 1933
Robert Henner, B.S.	February 1, 1934
Robert Grantham Hickerson, B.S.	July 1, 1933
Benjamin Highman, B.S., M.S.	July 1, 1933
William Wallace Holleman, B.S.	December 31, 1933
Harold Mark Hoover, B.S.	July 1, 1933
Joseph Allan Hubata, A.B.	July 1, 1933
Paul Hurwitz, B.S., M.S.	September 30, 1933
Runyan Hungate Irvin, B.S.	October 1, 1933
David Smeaton Jaffray, B.S.	July 1, 1933
Charles David Kanter, B.S.	September 5, 1933
John Joseph Kazak, B.S.	February 3, 1934
Clarence Francis Kelly, B.S.	July 1, 1933
Elmer Joseph Kocour, B.S.	July 1, 1933
Emanuel A. Kominik, B.S.	July 1, 1933
Thaddeus Marion Koppa	October 1, 1933
Harry Kotler, B.S.	July 1, 1933
John Albert Layman, A.B., B.S.	December 31, 1933

Samuel Sheldon Leavitt, B.S.	September 30, 1933
Abraham Leff, B.S.	July 1, 1933
John Alfred Legier, B.S.	July 1, 1933
David Alvin Lemberg, B.S.	October 6, 1933
David Lerner, B.S.	September 30, 1933
Arthur Harry Levine, B.S.	July 1, 1933
Ben William Lichtenstein, B.S.	July 1, 1933
Loren Lenneth Love, B.S.	July 1, 1933
Max Boyd McQueen, B.S., M.S.	July 1, 1933
Nathan Allen Masor	July 1, 1933
Armand Jean Mauzey, A.B., B.S.	August 31, 1933
Alfred Karl Meyer, B.S.	July 1, 1933
David Sidney Miller, B.S.	September 30, 1933
Joseph Samuel Miller, B.S.	September 1, 1933
Burtis Edgar Montgomery, B.S., M.S.	July 1, 1933
Milton Mitchell Mosko, B.S.	July 1, 1933
Alfred Henry Movius, Jr., B.S.	July 1, 1933
Theodore Julius Nereim, A.B., B.S.	July 1, 1933
Isadore Maurice Nims, B.S.	December 31, 1933
Morris Phillip Orloff, B.S., M.S.	September 30, 1933
Theodore Newell Rafferty, B.S.	July 1, 1933
John Todd Reynolds, B.S., M.S.	December 31, 1933
George Henry Rezek, A.B.	July 1, 1933
Paul Montel Rice	December 31, 1933
Samuel Irving Richmond, B.S.	September 30, 1933
George Ronstrom, B.S., M.S.	July 1, 1933
Martin J. Rosenthal, B.S.	July 1, 1933
Harry Edward Ryan, B.S.	July 1, 1933
William Frank Sayle, B.S.	July 1, 1933
Ambrose Daniel Schneider, B.S.	July 1, 1933
Arthur Henry Schumacher, B.S.	January 19, 1934
Arthur Henry Schwartz, B.S., M.S.	September 30, 1933
Edward Edgar Park Seidmon, A.B., B.S., M.S.	June 11, 1933
Vaheh M. Seron, B.S.	July 1, 1933
Fred William Seymour, B.S.	July 1, 1933
Paul Lawrence Shallenberger	July 1, 1933
Michael Hershel Shuger, B.S., M.S.	July 1, 1933
Norman Morison Shure, B.S.	July 1, 1933
Thelma Russell Shurtz, B.S.	January 2, 1934
Lee Edwarde Siegel, B.S.	February 15, 1934
Joseph Simons, B.S., M.S.	July 1, 1933
Max Sinay, B.S.	July 1, 1933
Joseph Stagman, B.S., M.S.	December 31, 1933
Walter Alfred Stark, A.B.	July 1, 1933
Isadore Elihu Steck, B.S., M.S.	July 1, 1933
Louis Mark Steiner, B.S.	June 11, 1933
Carl Sugar, B.S.	October 31, 1933
Cecil Earl Tate, B.S.	July 1, 1933
Edgar Abney Thacker, A.B., B.S., M.S.	July 1, 1933
Isadore Louis Turow, B.S.	July 1, 1933
Isadore Charles Udesky, B.S.	December 31, 1933
Frank Rudolph Urban, B.S.	August 12, 1933
Harley R. Varney, B.S.	July 1, 1933
John William Wall, B.S.	July 1, 1933
LaVerne Myron Willheiser, B.S.	July 1, 1933
William Hester Walton, Ph.B., B.S.	July 1, 1933
John Campbell Washington	August 1, 1933
Louis Earl Weinberg, B.S.	August 1, 1933
Dorothy Hutchinson Welker, A.B., B.S., M.S.	July 1, 1933
Merrill John Werner	July 1, 1933
Lorin Dixon Whittaker, A.B., B.S.	July 1, 1933

Finis Ellsworth Wilson, B.S.	July 1, 1933
Robert Bruce Wilson, B.S.	July 1, 1933
Adelbert Earnest Wuesteman, B.S.	July 1, 1933

Certificate in Medicine

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who, upon the completion of a year of satisfactory interneship in a hospital approved by the University, will be entitled to the degree of Doctor of Medicine.

Presented June 9, 1933

Cyril Jacob Anslinger, B.S.
Bruce Ned Balding, A.B., B.S.
Michael Ballin, B.S.
Lester Sidney Baskin, B.S.
Paul Barnabus Bauer
Maurice Loren Becker, B.S.
Robert Edward Bedard, A.B., B.S.
Arthur Bernstein, B.S.
Harold Carroll Bernstein, B.S.
Samuel Leonard Bernstein, B.S.
Harry S. Bezman, B.S.
Alexander Oscar Birgerson, B.S.
Ellis Bonnell
Charles Elmer Branch, B.S.
Harry Brodsky
George Freeman Brooks, A.B.
Donald Dinsmore Burroughs, B.S.
Morris Buyer
Harold Jesse Cawthorne, A.B., B.S.
Bernard Victor Chern, B.S.
William Arnold Christian, Jr., B.S.
Francis Anthony Cirrincione, B.S.
Jacob Cohen, B.S.
Melvin Russell Cohen, B.S.
Robert Bruce Collins, B.S.
Oscar H. Comess
James Oliver Conklin, B.S.
Harry Cooper, B.S.
Clarence Stephen Costigan, B.S.
Albert Donald Coyne, B.S.
Fred Louis Darnall
Casimir Demski, B.S.
Helen Octavia Dickens
Clyde Allan Dickinson
Max M. Dunn, B.S.
Milton Arnold Dushkin, B.S.
Claude Irving Ellis, B.S.
James Caleb Ellis, A.B.
Harlan English, B.S.
Frank Joseph Fara, Jr., B.S.
Leland Kenneth Farlander, B.S.
Emanuel Feinhandler, B.S.
Nathan S. Fox
Anthony Francona, B.S.
Ralph Waldo Freeman, A.B., B.S.
Seeley B. Furby
Sam Sigmund Gilbert, B.S.
Abraham Mitchell Gottlieb, B.S.
Jacob D. Gottlieb, B.S.
Bernard Louis Greenstein, B.S.
Nathan Richard Gusinow, B.S.
Carl Julius Gustafson, B.S.
Wesley Axel Gustafson
DeLoss Reed Hanley, B.S.
James Frank Harris
Lewis Michael Helfer
Clifford Alva Hendricks
Zelma Lamb Herndon, B.S.
Ross Edward Herrmann, B.S.
Sam Holtzman, B.S.
Joseph Louis Hrdina, Ph.C.
Nathan G. Ingber, B.S.
William Francis Jacobs, A.B., B.S.
Eric Gunnar Johnson, B.S.
Stephen Patrick Johnson, Jr., B.S.
Cletus Timothy Kearney, B.S.
George Thomas Kersey
Maurice Klotz, B.S.
Sidney Deutsch Klow
Joseph Louis Knapp, B.S.
David Sydney Koransky, B.S.
Julius Maurice Krevitt, B.S.
Jack Kruglick, B.S.
Leo Carroll Larkin
Homer Lee Lawder, A.B., B.S.
Samuel O. Levin
Albert Joseph Levine, B.S.
Jacob Levy, B.S.
Kenneth Elbert Lewis, B.S.
Samuel J. Lipnitzky
Morris Lester Lipstein, Ph.G.
Julius Lustig, B.S.
Robert McCune, Jr., B.S.
Bernard Edward Malstrom
Samuel Manelis, B.S.
Meyer B. Marks, B.S.
Louis Philip Matthei, B.S.
Isadore Meyers, B.S.
Harry Dudley Miller, Jr., B.S.
Howard Russell Miller, A.B., B.S.
Irving Mishkin, B.S.
Ira Telford Moore
Philip Howard Narodick, B.S.
Gus Warlick Neece
Albert Nehf, B.S.
Eugene Madison Parker
Joseph Aloysius Patka, B.S.
Samuel Arthur Purves, A.B.
Reino Hendrick Puumala, B.S.
David Benjamin Radner, Ph.G., B.S.

William John Reed
Sol Rome, B.S.
Fred John Roos
Gabriel Rose, B.S.
Abraham Boris Schubert
Irving Schuman, B.S.
Herman Mayes Schwerer, A.B.
Willard Edwin Shinglman, B.S.
Norman Silverstein, B.S.
William Robert Sladek, B.S.
Gilbert Elden Smith
Robert Archie Smith
Ralph Edgerton Speer
Maurice Stamler, B.S.
Edward Joseph Steiner, B.S.
Joseph B. Teton, B.S.
Paul Gustav Thode
Samuel Julius Turner
Frank Edward Urbanek, B.S.
Harry Fleming Vail, B.S.
Albert Joseph Vesely
Harry Charles Vesely
Frank Burkhart Voris, B.S.
Maxwell Nathan Wacker, B.S.
Irwin Jerome Waldman, B.S.
Joseph Monroe Walker, Jr., B.S.
Margaret Wallace, B.S.
James Alexander Weatherly
Arthur Rudolph Weihe, B.S.
William Weisdorf, B.S.
Morris Weiss
Jack Worthington Welty, B.S.
Ernest William Werbel, B.S.
Solomon Carl Werch, B.S.
Richard Elroy Westland, B.S.
Ernest Bernard Williams, B.S.
James Alfred Winsberg, B.S.
Albyn Garrett Wolfe, A.B., B.S.
Joseph Alfonso Zalar, B.S.
Irving Ziedman, A.B., B.S.
Lazar Eli Zimmerman, B.S.
Allan Joseph Zimring, B.S.
Nathan Zolt, B.S.

Presented February 3, 1934

Victor Herbert Karpass, B.S.
Theodore C. Mouzakeotis, B.S.
William Ocasek, Jr.
Sol Singer, B.S.

Degree of Bachelor of Science

Conferred June 9, 1933

Robert Edward Bedard
Samuel Alfred Adland
Ellis Bonnell
Clement Clark Coleman
James Caleb Ellis, A.B.
Erving Francis Geever
George Gilman, A.B.
Jacob A. Glaseman
Abraham Gorodazky
Aaron Gunther
Rudolph William Hack, A.B.
Zigmore Harris
Richard Teal Haverstock
Paul E. Hepner
Kenneth Franklin Hughes
Carl Ireneus, Jr., A.B.
John Hick Johnson
George Louis Kravtsow
Milton Kurth
Albert Thomas Kwedar
Herbert Lang
Aaron S. Mason
Lorrell Edward Messman
James Joseph Murphy
James Stedman Reynolds
Keith Rhea
Sidney Sigmund Rooth
Irving Hyman Rosenthal
Robert Edward Schettler
Herbert Abel Schiller, Ph.C.
John Lavine Schilsky
Kenneth Fosnes Schneider
Harry I. Shulruff
Robert James Sigler
Danely Philip Slaughter
Raymond Elmer Sorensen
Adelbert L. Spiller
Albert Elon Steer
Richard Vawter Stevenson
Frank Joseph Tesar
Milton Tinsley
Morris Waisman
Leonard Weissman
Raymond Benedict White, A.B.

Conferred October 13, 1933

Myron Clyde Benford
Alfred Lionel Piser
Roger Francis Sondag

Conferred February 24, 1934

Emily M. Baer
Norman Ludlow Baker
Paul Lincoln Bedinger, A.B.
Melvin Frank Blaurock
Earl Clifford Bucher, A.B.
Robert Ralph Citron
George Edward Colyer, A.B.
Nathan Solomon Deutsch
Norman B. Dobin
Harvey Enoch Gaynes
Maurice O. Grossman
Kyle C. Hawkins
George Kieve Keppleman
Adelbert Herman Klein
Sherburne Krieger
Irving Harold Lederman
John Parke
Oscar Mandel Plotkin
Leonard Price
William John Reed
Seymour Salberg
Robert Archie Smith
Albert Frank Stein
Aloysious Felix Tasch

REGISTER OF STUDENTS, 1933-34

Fifth-Year Class—Hospital Appointments

(Unless otherwise noted, hospitals are located in Chicago.)

Cyril J. Anslinger, St. Francis Hospital, Evanston.
Bruce N. Balding, Grant Hospital.
Michael Ballin, Los Angeles County General Hospital, Los Angeles.
Lester S. Baskin, Tacoma General Hospital, Tacoma.
Paul B. Bauer, Sacred Heart Hospital, Spokane.
Maurice L. Becker, Cook County Hospital.
Robert E. Bedard, Illinois Research and Educational Hospital.
Arthur Bernstein, Cook County Hospital.
Harold C. Bernstein, Michael Reese Hospital.
Samuel L. Bernstein, Frances E. Willard Hospital, Chicago; and Los Angeles County General Hospital, Los Angeles.
Harry S. Bezman, Garfield Park Hospital.
Alexander O. Birgerson, Grant Hospital.
Ellis Bonnell, Ravenswood Hospital.
Charles E. Branch, University Hospital.
Harry Brodsky, St. Mary's Hospital, East St. Louis, Illinois.
George F. Brooks, Bellevue Hospital, New York City.
Donald D. Burroughs, St. Luke's Hospital.
Morris Buyer, American Hospital.
Harold J. Cawthorne, Illinois Research and Educational Hospital.
Bernard V. Chern, St. Joseph's Hospital.
Jerry Chobot, Norwegian-American Hospital.
William A. Christian, Jr., Illinois Research and Educational Hospital.
Francis A. Cirrincione, St. Anne's Hospital.
Jacob Cohen, Cook County Hospital.
Melvin R. Cohen, Michael Reese Hospital.
Robert B. Collins, Mercy Hospital, Davenport.
Oscar H. Comess, Lakeview Hospital.
James O. Conklin, Illinois Research and Educational Hospital.
Harry Cooper, Lutheran Memorial Hospital.
Clarence S. Costigan, Augustana Hospital.
Albert D. Coyne, Cook County Hospital.
Henry N. Cress, Provident Hospital.
Fred L. Darnall, Mercy Hospital, Des Moines.
Casimir Demski, St. Elizabeth's Hospital
Helen Dickens, Provident Hospital.
Clyde A. Dickinson, St. Mary's Hospital, Saginaw, Michigan.
Max M. Dunn, Mercy Hospital.
Milton A. Dushkin, Cook County Hospital.
Claude J. Ellis, St. Francis Hospital, Evanston.
James C. Ellis, Mercy Hospital, Des Moines.
Harlan English, St. Louis City Hospital, St. Louis.
Leland K. Farlander, Ancker Hospital, St. Paul.
Frank J. Fara, Jr., Cook County Hospital.
Emanuel J. Feinhandler, State Hospital, Dunning; Cook County Hospital.
Nathan S. Fox, Misericordia Hospital, Milwaukee.
Anthony T. Francona, American Hospital.
Ralph W. Freeman, Illinois Masonic Hospital.
Seeley B. Furby, St. Louis City Hospital, St. Louis.
Samuel S. Gilbert, Cook County Hospital.
Abraham M. Gottlieb, Cook County Hospital.
Jacob D. Gottlieb, Frances E. Willard Hospital; Los Angeles County General Hospital, Los Angeles.
Bernard L. Greenstein, Jackson Park Hospital.
Nathan R. Gusinow, St. Mary of Nazareth Hospital; Los Angeles County General Hospital, Los Angeles.
Carl J. Gustafson, St. Mary's Mercy Hospital, Gary, Indiana.
Wesley A. Gustafson, Illinois Research and Educational Hospital.
D. Reed Hanley, Detroit Receiving Hospital, Detroit.
J. Frank Harris, Ravenswood Hospital.
Lewis M. Helfer, Grant Hospital.
Clifford A. Hendricks, St. Joseph's Hospital.
Zelma L. Herndon, Illinois Research and Educational Hospital.
Ross E. Herrman, Illinois Central Hospital.
Sam Holtzman, Frances E. Willard Hospital.
Joseph L. Hrdina, San Diego County General Hospital, San Diego.
Nathan G. Ingber, American Hospital.
William F. Jacobs, Cook County Hospital.
Eric G. Johnson, Iowa Lutheran Hospital, Des Moines.
Stephen P. Johnson, St. Joseph's Hospital, San Francisco.
John J. Kazak, St. Anthony De Padua Hospital.
Cletus T. Kearney, St. Mary's Help Hospital, San Francisco.
George T. Kersey, Provident Hospital.
Maurice Klotz, Illinois Research and Educational Hospital.
Sidney D. Klow, Edgewater Hospital.
Joseph L. Knapp, West Suburban Hospital, Oak Park.
David S. Koransky, Cook County Hospital.
Julius M. Krevitt, Fresno County Hospital, Fresno, California.
Jack Kruglick, Anna State Hospital, Anna, Illinois; Cook County Hospital.
Leo C. Larkin, Cook County Hospital.
Homer L. Lawder, St. Louis City Hospital, St. Louis.
Samuel O. Levin, Cook County Hospital.
Albert J. Levine, Mount Sinai Hospital.
Jacob Levy, Cook County Hospital.
E. Kenneth Lewis, Englewood Hospital.
Samuel J. Lipnitzky, Jackson Park Hospital.
Morris L. Lipstein, Frances E. Willard Hospital.
Julius Lustig, Cook County Hospital.
Bernard E. Malstrom, Augustana Hospital.
Samuel L. Manelis, Cook County Hospital.
Meyer B. Marks, Cook County Hospital.
Louis P. Matthei, Grant Hospital.
Robert McCune, Jr., St. Vincent's Hospital, Portland, Oregon.
Isadore Meyers, St. Anthony's Hospital, Michigan City, Indiana.
Harry D. Miller, Illinois Central Hospital.
Howard R. Miller, St. Luke's Hospital.
Irving Mishkin, Cook County Hospital.
Ira T. Moore, Sacred Heart Hospital, Spokane.
Philip H. Narodick, Providence Hospital, Seattle.
Gus W. Neece, Illinois Research and Educational Hospital.

Albert Nehf, Kankakee State Hospital, Kankakee; Cook County Hospital.
Eugene M. Parker, Missouri Baptist Hospital, St. Louis.
Joseph A. Patka, Englewood Hospital.
Samuel A. Purves, Augustana Hospital.
Reino H. Puumala, Illinois Research and Educational Hospital.
David B. Radner, Michael Reese Hospital.
William J. Reed, Buffalo Hospital of the Sisters of Charity, Buffalo.
Sol Rome, Cook County Hospital.
Fred J. Roos, Illinois Research and Educational Hospital.
Gabriel Rose, Illinois Masonic Hospital.
Abraham B. Schubert, Woodlawn Hospital.
Irving Schuman, St. John's Hospital, Tulsa, Oklahoma.
Herman M. Schwerer, Norwegian-American Hospital.
Willard E. Shinglman, Cook County Hospital.
Norman Silverstein, St. Mary of Nazareth Hospital.
William R. Sladek, Providence Hospital, Detroit.
Gilbert E. Smith, St. Anthony's Hospital, Oklahoma City.
Robert A. Smith, St. Anne's Hospital.
Ralph E. Speer, University Hospital.
Maurice Stamler, Cook County Hospital.
Edward J. Steiner, Alexian Brothers Hospital.
Joseph B. Teton, Roseland Community Hospital.
Paul G. Thode, Oak Park Hospital, Oak Park.
Samuel J. Turner, Cook County Hospital.
Frank E. Urbanek, Lutheran Deaconess Hospital.
Harry F. Vail, Mercy Hospital, Bay City, Michigan.
Albert J. Vesely, St. Joseph's Hospital, Joliet, Illinois.
Harry C. Vesely, Grant Hospital.
Frank B. Voris, James M. Jackson Memorial Hospital, Miami, Florida.
Maxwell N. Wacker, Mount Sinai Hospital.
Irwin J. Waldman, Cook County Hospital.
Joseph M. Walker, St. Louis City Hospital No. 2, St. Louis.
Margaret Wallace, American Hospital.
James A. Weatherly, St. Louis City Hospital, St. Louis.
Arthur R. Weihe, St. Luke's Hospital.
William Weisdorf, Elgin State Hospital, Elgin, Illinois; Cook County Hospital.
Morris Weiss, Cook County Hospital.
Jack W. Welty, Philadelphia General Hospital, Philadelphia.
Ernest W. Werbel, Illinois Research and Educational Hospital.
Solomon C. Werch, Frances E. Willard Hospital.
Richard Westland, Grand Hospital.
Ernest B. Williams, Cook County Hospital.
James A. Winsberg, Mount Sinai Hospital.
Albyn G. Wolfe, Charles I. Miller Hospital, St. Paul.
Joseph A. Zalar, Oak Park Hospital, Oak Park.
Irving Ziedman, Cook County Hospital.
Lazar E. Zimmerman, Mercy Hospital, Janesville, Wisconsin; Cook County Hospital.
Allan J. Zimring, Michael Reese Hospital.
Nathan Zolt, Michael Reese Hospital.

Fourth-Year Class, 1933-34

Adams, Joel E.
Agate, George Henry, B.S.
Albaum, Joseph, B.S.
Albers, Elmer Arnold, B.S.
Anderson, Edward Ragnar, B.S.
Anderson, Glen C., B.S.
Aronow, Julius, B.S.
Aronson, Abraham, B.S.
Baker, Edwin Francis
Baker, Norman Ludlow, B.S.
Bard, Eli, B.S.
Bard, George William Itzweire, B.S.
Baxter, Edward Stuart, B.S.
Bay, Alfred Paul, B.S.
Bedinger, Paul Lincoln, A.B., B.S.
Benford, Myron Clyde, B.S.
Bepko, Marie Katherine, B.S.
Berg, Max, B.S.
Berger, Irving
Bernstein, Maxwell Robert, B.S.
Billings, Charles Arthur, A.B.
Blaurock, Melvin Frank Otto, B.S.
Boarini, Edward Vincent
Bogue, Willis Julian, B.S.
Bomze, Edward J., B.S.
Bradley, Chester Dale
Brodkin, Meyer, B.S.
Brown, Charles Edward
Brown, David Joseph, B.S.
Bucher, Earl Clifford, A.B., B.S.
Burkhart, George Hickman
Burns, Herschel Smith, A.B., M.S.
Calosio, Richard Thomas, B.S.
Citron, Robert Ralph, B.S.
Clarke, William A.
Cohen, Morton Irving
Cohen, Sidney Sol, B.S.
Cooper, Arthur Edwin
Coseglia, Robert Paul, B.S.
Crystal, Harry Myer, B.S.
Deardorf, Frank Benson, B.S.
DeBourcy, Harry C.
DeLong, Edward E.
Dillman, Lucius Matlock, M.S.
Elster, Ben Burt, B.S.
Farinacci, Maurice Graziano
Feinhandler, Harold Samuel, B.S.
Fisher, Marshall Louis, B.S.
Fox, Morris E.
Freda, Vincent, B.S.
Freeman, John Joseph, B.S.
Fricke, John William
Fruin, Leon Thomas, B.S.
Fullerton, Willard Wilson, A.B., B.S.
Gano, Avison
Gernon, William, B.S.
Glenn, Robert Wagner
Goldstein, Hyman Harry, B.S.
Gordon, Hyman Samson, B.S.
Green, Frank
Grennan, Henry Arthur, B.S.
Gustafson, Joseph Goddard, B.S.
Hakala, Laurie John
Hall, Henry Russell, B.S.
Hanelin, Henry Arnold
Harrold, Jesse Freeland
Hawkins, Kyle Chester, B.S.
Hershey, Noel John, B.S.
Hoffstadter, William, B.S.
Holoffe, Clarence P., B.S.
Holstein, Theodore, B.S.
Holub, Louis Alois, B.S.
Huffman, John Francis, B.S.
Hurwich, Jerome Jacob, B.S.
Jacobs, Maurice Bernard, B.S.
Johnson, Herman Roy

Johnson, Titus Maurice, M.S.
Kahn, Harold, B.S.
Kaiz, Seymour Pass
Kaplan, Benjamin
Kaplan, Maurice, B.S.
Karpass, Victor Herbert, B.S.
Keigwin, Charles G., B.S.
Kleiman, David, B.S.
Koza, John Louis
Kraft, Robert Eugene, B.S.
Krakower, Irving, B.S.
Kuczewski, Frank Henry
Langner, Mitchell Edward
Lapin, Morey, A.B., B.S.
Lederman, Irving Harold, B.S.
Lehwald, Carl James, B.S.
Lemon, Robert George, B.S.
Levin, Milton, B.S.
Maley, William Forrester, A.B., B.S.
Marshall, Glenn Robert, B.S.
Martin, Robert Edgar
Mathis, John Haley, B.S.
Meisenheimer, Harold
Menke, Wilbur June, Jr., A.B., B.S.
Miller, Walter Ulysses, A.B.
Mohlenbrock, William Dean
Mouzakeotis, Theodore C., B.S.
Murphy, Iva Glene, A.B.
Nechtow, Mitchell Joseph
Nelson, Thomas Finn, B.S.
Nierenberg, Harry Hyman, B.S.
O'Brien, Paul James, B.S.
Ocasek, William, Jr.
Oehler, William Frederick
Okner, Henry Bernard, B.S.
O'Malley, James Emmett, B.S., M.S.
Parker, Forest Caleb
Pass, Ben
Piser, Alfred Lionel, B.S.
Richter, Irving Bernard, B.S.
Rightman, Irving
Roberson, William Victor, B.S.
Roberts, Brockway, B.S.
Rosen, Ralph Eugene, B.S.
Rosenbloom, David, B.S.
Rosenstiel, Henry Carl, B.S.
Roth, John Bernard, B.S.
Row, Charles Francis, A.B., B.S.
Rubisoff, Reuben, B.S.
Scheffler, Milton Morris, B.S.
Schoolman, Joseph G., A.B.
Schultz, Harry, B.S.
Schwartz, Benjamin
Schwartz, Harry Robert, B.S.
Scully, John Chapell
Seaton, Ralph Millard
Shagam, Robert Mayr, B.S.
Shinall, Harold Louis, B.S.
Simon, Martha Frances
Singer, Solomon, B.S.
Slepyan, Albert H., B.S.
Smerz, Anton, B.S.
Telford, Leroy Thomas
Thomas, Clyde Oral
Thomsen, Philip Gordon
Tulsky, Alex Sol, B.S.
Wachs, Leonard, B.S.
Wachsman, David Victor, Jr.
Weinberg, Julius
Weis, Edward H.
Widerborg, Robert E.
Winn, John Paul, B.S. in Ed.
Wittenberg, Carlton Emil, B.S.
Young, Warren William
Zeiter, Walter Jacob, B.S.

Third-Year Class, 1933-34

Adland, Samuel Alfred, B.S.
Appel, Ben
Ash, Alfred Stone
Baer, Emily, B.S.
Barys, Harold Joseph
Becker, Oscar Jacob
Beecher, Merrill Charles
Berkovitz, Robert David
Blaufuss, Armin Louis, Ph.C.
Bowers, Daniel Edward
Brotman, David Marvin
Carr, Herman
Carter, Robert V.
Chabner, Louis
Cohen, Isadore Hymen, B.S.
Coleman, Clement Clark, B.S.
Colyer, George Edward, A.B., B.S.
Deutsch, Nathan Solomon, B.S.
Dobin, Norman B., B.S.
Dubofsky, Sidney Harvey
Edel, Frank Wayne, A.B.
Faden, Gerson, A.B.
Fitzpatrick, Thomas J.
Foulke, Lawrence Edward, B.S.
Friedenberg, Robert, A.B.
Gallati, Cyril M.
Gaynes, Harvey Enoch, B.S.
Geever, Irving Francis, B.S.
Gilman, George, A.B., B.S.
Glassman, Jack A., B.S.
Globerson, Irwin
Goldberg, Aaron Louis
Goldfine, Manuel, B.S.
Gordon, Marion Lee
Gorodazky, Abraham, B.S.
Greco, Vincent James
Grossman, Maurice O., A.B., B.S.
Gunther, Aaron, B.S.
Hack, Rudolph William, A.B., B.S.
Hahn, Jacob Francis, B.S.
Harris Zigmore, B.S.
Hassen, Irving
Haverstock, Richard Teal, B.S.
Hawkes, James Henry
Hepner, Paul E., B.S.
Hill, George Ray
Howard, Henry Sargent
Hughes, Kenneth Franklin, B.S.
Hunkel, Victor H., Ph.B.
Ireneus, Carl, Jr., A.B., B.S.
Jamison, Garland Uriah, A.B.
Johnson, John Hick, B.S.
Josephson, Harry
Kaeiser, William Henry
Kalal, Elmer J.
Kaminskas, Joseph T.
Karel, Jack, B.S.
Katz, Charles, B.S.
Kaufman, Jerome D.
Keller, Robert Stephen
Keppleman, George Kieve, B.S.
Klein, Adelbert Herman, B.S.
Knudson, William Nelk, A.B.
Koch, Harold Jay, B.S.
Kravtsow, George Louis, B.S.
Krieger, Sherburne, B.S.
Kunda, Emerson C., A.B., B.S.
Kurth, Milton Elmer, B.S.
Kwedar, Albert Thomas, B.S.
Lang, Herbert, B.S.
Lazar, Harry, B.S.
Lerner, Louis Samuel, B.S.
Levine, Sydney, B.S.
Lockwood, William Wayne, B.S.
Lome, Daniel
MacEachern, Katherine Hypatia, B.S.
Makovsky, Irwin Harry
Marks, Harold Louis
Mason, Aaron Samuel, B.S.
Messman, Lorell Edward, B.S.
Morrison, Ira Robert, A.B.
Murphy, James Joseph, B.S.

Nelson, Charles Arthur
Nieder, Samuel
Nix, Winston K.
Olson, Franklin Arnold, B.S.
Parke, John, B.S.
Platt, Matthew
Plotkin, Oscar Mandel, B.S.
Price, Harold, Ph.G.
Price, Leonard, B.S.
Raider, Joseph
Reynolds, James Stedman, B.S.
Rhea, Keith, B.S.
Ricketts, Fred Jasper
Rooth, Sidney Sigmund, B.S.
Rosen, Benjamin Bernard
Rosen, Irving Isadore, B.S.
Rosenberg, Jack
Rosenberg, Samuel William
Rosenthal, Irving Hyman, B.S.
Sachs, Mandel
Salberg, Seymour, B.S.
Sassaman, Coleta, B.S.
Schettler, Robert Edward, B.S.
Schiller, Herbert A., Ph.C., B.S.
Schilsky, John Lavine, B.S.
Schneider, Kenneth Fosnes, B.S.
Schwade, Leonard Jerome
Sedlak, Frank C.
Seifert, William Frederick

Shimkus, Alexander Joseph, B.S.
Shulruff, Harry I., B.S.
Siegfried, Joseph Howard
Sievers, Jerome Joel, Ph.G.
Sigler, Robert James, B.S.
Silbert, David
Silvert, Pasche
Slaughter, Danley Philip, B.S.
Slavin, Manuel, A.B.
Smith, Clarence William, Ph.C., Ph.G.
Sondag, Roger Francis, B.S.
Sorenson, Raymond Elmer, B.S.
Spiller, Adelbert L., B.S.
Spira, Bertram, B.S.
Steer, Albert Elon, B.S.
Stein, Albert Frank, B.S.
Stevenson, Richard Vawter, B.S.
Stout, Samuel Lloyd, Ph.C.
Tappan, Edward A., B.S.
Tasch, Aloysious Felix, B.S.
Taubert, Russell Kenneth
Tesar, Frank Joseph, B.S.
Tinsley, Milton, B.S.
Wagner, Jack
Waisman, Morris, B.S.
Walton, Joseph Eugene
Weissman, Leonard, B.S.
White, Raymond Benedict, A.B., B.S.
Wunsch, Charles LeRoy

Second-Year Class, 1933-34

Alion, John Joseph
Altman, John Joseph
Apfelberg, Herbert Jack
Ashline, George H., A.B.
Backer, Meyer, Ph.C.
Baumann, Milton Charles
Berman, Arthur
Berman, Louis
Bielinski, Brunon, A.B., B.S.
Bielinski, Czeslawa
Bielski, John Anthony
Bluefarb, Samuel Mitchell
Bohr, George William
Boland, John Dempsie
Boros, Harold Henry, B.S.
Brill, Isadore
Brodsky, Abraham
Bucher, Ray Elwood
Bunchman, Lester Paul
Burack, Samuel
Burdick, Maurice Saul, B.S.
Burns, Edward Maurice
Cascino, Joseph Peter
Cecil, John Goolsby
Chapman, Ralph R.
Coggeshall, Chester
Cohen, Bernard Louis
Cutler, John Lewis
Cutler, Meyer Merle
Darling, Duane Delbert, B.S.
Dearborn, Robert Fuller
Decker, Sam
Diamond, Sidney, B.S.
Dorton, Ellsworth
Einhorn, Benjamin, B.S.
Faigle, Ernest Theodore, Ph.C.
Favus, Irving
Feldman, Paul Edward, B.S.
Ferrell, Robert V.
Filip, Joseph H.
Finkelstein, Jack
Fleischer, Jacob, B.S.
Fordon, Leona R.
Fox, Robert G.
Friedman, Harold S., B.S.
Fuqua, Harold Boyd, A.B.
Gessler, Eugene Warren
Goldstein, Alfred Josef

Goran, Joseph Robert
Gordon, Orville Eugene
Goshgarian, Gasper Asa
Green, Abraham D.
Greenberg, Morris
Grossblat, Jacob
Grossman, Jack William
Gunn, Samuel Albert
Hanson, John Olaf
Harms, George Melvin
Havlicek, John A.
Heisler, Friedy
Hellrung, Cecilia Marian
Heritage, Wade Frederick
Herzog, Paul
Hickman, Frank Snowden, A.B.
Hilkevitch, Aaron Arthur, B.S.
Hirschtick, Allan Bonner
Hlavacek, Louis Joseph, B.S.
Hoffenberg, Nathan Leonard
Horsman, Maurice Thomas
Horst, Elfriede
Huff, Harold Dale
Hutchison, William Addison
Jacks, Francis Marion
Janicki, Natalia Julia
Josephson, Harry
Kahn, Ernest Arthur
Kaiser, Jerome
Kapernick, John Stuart
Kaplan, Henry
Kaplan, Leo Abraham
Kavka, Selig Joel
Kelly, Delbert Cleo
Keyes, John Wesley
Klein, Alfred Joseph
Klein, Ernest Sol
Kleitsch, William Philip
Knanishu, Jacob
Krause, Charles Donald
Kreft, Alfred John
Kuhlman, Ralph
Kurvinen, Corinne, B.S.
Kushner, Mayer
Kwint, Joseph Arthur
Lander, Herman Boris
Lane, Paul Lilja, D.D.S.
Lapid, Gilbert George

Lasinsky, Harry
Latta, Philip Rankin
Lawrence, Fred Hunter, A.B.
Lawson, Edwin H., A.B.
Levan, Arthur Bernard
Levenson, Joseph Milton
Levin, Louis
Levisohn, Milton J.
Levisohn, Roland M.
Liebman, Samuel
Ludmerer, Solomon
McCormack, Maurice Lester
McVey, Emerson King
Marcus, Samuel
Mater, James Wynne, B.S.
Matzkin, Lloyd Louis
Maydet, Simon J.
Miller, Nathan Harry
Mooney, Felix Patrick
Motel, William Goodrich, B.S.
Neuchiller, Bernard Benjamin
Olenick, Everett
Overholser, John Dwight, A.B.
Palmer, Edward, Ph.B.
Peal, Leonard
Perlmutter, Louis Judea
Peterson, Arthur Karl, B.S.
Poska, Theodore Algird, B.S.
Potter, George Vernon
Quenzer, Fred August
Reeser, Wayne
Reinglass, Samuel S.
Renaud, Oliver Vernon
Robinson, Stanley Everett
Rose, Jordan Waldemar
Rubin, Herbert Edgar, B.S.
Sawyer, Preston Walker
Scannell, Margaret Mary
Schlan, Louis
Schmidhofer, Ernst, Jr.
Schreiber, Samuel Louis, Ph.C.
Schumacher, Edward Emil
Schwartz, Joseph, B.S.
Segenreich, Harry, B.S.
Shapiro, Arthur Louis
Shmigelski, Irene
Slaw, Adam
Stastny, John Wallace, B.S.
Steinberg, David William
Steinberg, Harold
Steinberg, Hyman Sydney
Stern, David Henry
Svetanov, Vladimir
Sweitzer, Caesar, B.S.
Taylor, John Richard
Telser, Stanley Edward, A.B.
Trotter, Jay Donald
Turetsky, Isadore
Udesky, Hymen Leon
Wade, Chester E.
Walsh, William Stanley
Wasick, Milan Michael
Weil, Leonard L.
Weinberg, Jack
Wyngarden, Clarence Benjamin, B.S.
Yanovitz, Joseph
Young, Tommy Richard, B.S.
Zeldes, Mary, A.B.
Zelik, William Bernard, B.S.
Ziffren, Sidney Edward
Zimont, Raymond Dumont

First-Year Class, 1933-34

Abrams, Morris
Argentar, Albert Harry
Baker, Dorothy
Barbakoff, Arthur
Berger, Samuel
Bernstein, Sidney Morris
Biddlecombe, Duncan
Brown, Bruce Morgan
Brown, Leo Jerome, B.E.
Buck, Leonard S.
Bujold, Charles C.
Burley, Robert DeForrest
Bush, George
Cassidy, Alfred H., B.S.
Chapman, Bernard Manuel
Chasten, Stephen M.
Chiolak, Michael
Cohen, Meyer Barney
Cohen, Theodore M.
Cohrs, Clarence
Davis, Earl S.
Desulis, Bruno Anton
DeTrana, Frank
Deutsch, Harry Louis
Diamondstone, Albert H.
Dick, Donald, A.B.
Ditkowsky, Sol Paul
Dulin, Theodore
Duncan, Katherine
Dunn, Maurice
Durso, Margaretta
Eisendorf, Lester H.
Elliot, Raymond K.
Fabian, Sidney
Faingold, Joseph, Ph.C.
Falconer, Everett G.
Falk, Philip
Feldman, Abraham William
Fiddler, Allan
Firfer, Bourke
Fleischli, Franz Karl
Frank, Mitchell
Freeman, Wendel R.
Fromm, Rose
Gaertner, Clifford W.
Ganansky, Irwin
Gertz, George Joseph Daird
Gilman, William Nummo
Gladstone, Herman
Glassman, Max
Goder, George Augustus
Goldman, Herman I.
Goldstein, Robert Maurice, Ph.B.
Goldt, Henry B.
Goodman, Sol
Green, Abraham D.
Grossman, Milton D.
Haft, Bernard (Deceased, April 7, 1934)
Hamilton, Eugene G.
Hammatt, Harold Wayne
Heaton, John Richard
Heinrich, Jerome Frederick
Hess, Edmund R.
Heyer, Howard E.
Hora, James Leopold, Ph.C.
Isovitz, Isadore
Jackman, Abraham Izzak
Janulis, Joseph C., B.S.
Jenkins, Hilerd Westley
Joffe, Harold
Journay, John
Kagen, Leonard Alvin
Kannapel, Lowell E., A.B.
Kantor, Samuel, B.S.
Kaplan, Isadore
Kaplan, Joseph H.
Kaplan, Max, A.B.
Karelitz, Benjamin, B.S.
Kinser, Walter C.
Kinzer, Richard Ernest
Klapman, Martin J.
Klein, Max

Klein, Sidney, Ph.G.
Klokke, Karl, B.S., A.B.
Knanishu, Jacob
Kobrinsky, Meyer
Kolb, Leonard Hyman
Kotas, Walter S., B.S.
Kuznitsky, Meyer
Kvidera, George J.
Lack, Herbert
Lakin, Herbert Sol, B.S.
Lattuada, Henry Peter
Lenz, Charles Richard, Jr., B.S.
Lepak, Alfred Joseph
Lerner, Milton
Lesko, Edward
Levin, Myron Jame
Levine, Edward
Lipschultz, Bernard M.
Logsdon, Robert
Long, Gabe
Lorber, Maurice, B.S.
Lorber, Victor, B.S.
Luke, Edward Albert
Madison, Burle Beauregard
Marcus, Philip Milton
McInerney, Thomas Anthony, B.S.
Mehlman, Jerome, A.B.
Melamed, Abraham
Mirro, John Anthony
Moisant, Bernard E.
Molay, Marshall
Moldavsky, Leon F., M.S.
Mosher, Martin Luther
Murphy, Raymond B., B.S.
Nagoda, Edward Joseph
Nesmith, Harry DeWitt
Nielsen, Ernest M., B.S.
O'Connor, Dorothy Kathryn, A.B.
O'Connor, John William
Oldfather, Helen, A.M.
Olsman, Louis
O'Neill, Paul J., M.S.
Palumbo, Carl
Pearlman, Sol, B.S., Ph.B.
Peck, Hyman, Ph.C.
Perrella, Edward Joseph
Peters, Clifford Henry
Peterson, Paul Quayle
Petkus, Antonie
Premuda, Franklin Fred, A.B.
Prucher, Louis
Reich, Charles Harry
Reifler, Reuben M., Ph.G.
Ritter, Edward F., Jr., A.B.
Robin, Milton
Rosenberg, William
Rosenblatt, Albert Hessel
Rosenthal, Isadore
Rothschild, Robert R.
Ryan, Harry Osbourne, Jr.
Sabin, Meyer A.
Salberg, Arthur Keller
Sanders, Zal
Sauer, Francis Eugene
Scannell, Margaret Mary
Schaffer, Bernard J.
Schwartz, Walter William
Shriner, Walter
Sirles, Wayne P.
Skupa, Arthur James, D.D.S.
Smith, Herschel Stanley, A.B.
Smollar, Leo
Snively, William Daniel
Solander, Carl
Sosson, Edward
Spencer, Robert Andrew
Spinka, Isadore
Spira, Samuel
Stangle, Edward, Ph.C.
Steinbock, Henry Fred
Steiner, William Edward
Stevens, Robert Healy
Stevenson, Herbert Myron, A.B.
Suttie, Grant
Tavris, Hyman
Teborek, Roy Frank
Teitelbaum, Harold
Tobias, Milton R.
Trummel, Russell Groves, M.S.
Tuchow, Irving
Veal, Timothy Romeo, A.B.
Walker, Glen Hall
Waller, James Bruce
Warshell, Arnold H.
Wasserman, David
Wasserman, Reuben Robert
Weichselbaum, Paul K.
Weiner, Harry
Weissman, Charles G.
Williams, Maybelle P., B.S.
Williamson, Ben K., B.S.
Winer, Allen E.
Wright, William H.
Yocom, Richard Winston
Ziegler, Dillman Forbes
Zuska, Joseph John

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

GRADUATE COURSES IN MEDICINE AND DENTISTRY

Departments of Anatomy; Dental Histology; Dental Therapeutics; Dermatology; Juvenile Behavior, Larnygology, Rhinology and Otology; Medicine; Metallurgy; Neuropsychiatry; Obstetrics and Gynecology; Ophthalmology; Oral Surgery; Orthodontia; Orthopaedics; Pathology and Bacteriology; Pediatrics; Pharmacology; Physiological Chemistry; Physiology; Surgery.

Announcement of
Summer Session of 1934, June 9 to August 31
and Session of 1934-35

GRADUATE SCHOOL CALENDAR

Summer Session

1934

June 9, Saturday	Registration day.
June 12, Monday	Summer Session begun.
July 4, Wednesday	A legal holiday.
August 6, Monday, 12 M	Last day for candidates for degrees in August to deposit theses.

First Semester

September 17, Monday	Last day for candidates for masters' degrees in October to file applications for degrees and to deposit theses.
October 3-4, Wednesday, Thursday	Registration days.
November 28, Wednesday, 12 M.	Thanksgiving recess begun.
December 3, Monday, 8 A.M.	Instruction resumed.
December 22, Saturday, 12 M.	Holiday recess begun.

1935

January 3, Thursday, 8 A.M.	Instruction resumed.
January 18, Thursday	Last day for filing applications for masters' degrees to be conferred in February, and last day for candidates for masters' and doctors' degrees in February to deposit theses.

Second Semester

February 6-7, Wednesday, Thursday	Registration days.
April 18, Thursday, 6 P.M.	Easter recess begun.
April 22, Monday, 8 A.M.	Instruction resumed.
May 1, Wednesday	Last day for filing applications for masters' degrees to be conferred in June.
May 13, Monday	Last day for candidates for doctors' degrees in June to deposit theses.
May 15, Wednesday	Last day for filing applications for masters' degrees to be conferred in August.
May 27, Monday	Last day for candidates for masters' degrees in June to deposit theses.
June 7, Friday, 10:30 A.M.	Annual Commencement.

EXECUTIVE FACULTY OF THE GRADUATE SCHOOL[1]

1934-35

ARTHUR CUTTS WILLARD, B.S., D.Eng., LL.D., *President of the University*

ROBERT DANIEL CARMICHAEL, Ph.D., *Professor of Mathematics and Dean of the Graduate School*
ROGER ADAMS, Ph.D., *Professor of Organic Chemistry*
THOMAS WHITFIELD BALDWIN, Ph.D., *Professor of English*
CLARENCE ARTHUR BERDAHL, Ph.D., *Professor of Political Science*
DAVID JOHN DAVIS, M.D., Ph.D., *Professor of Pathology and Dean of the College of Medicine*
COLEMAN ROBERTS GRIFFITH, Ph.D., *Associate Professor of Education*
WHITNEY CLARK HUNTINGTON, M.S., C.E., *Professor of Civil Engineering*
SIMON LITMAN, Dr.Jur.Pub. et Rer.Cam., *Professor of Economics*
FRANCIS WHEELER LOOMIS, Ph.D., *Professor of Physics*
HAROLD HANSON MITCHELL, Ph.D., *Professor of Animal Nutrition*
HERBERT FISHER MOORE, M.E., M.M.E., D.Sc., *Research Professor of Engineering Materials*
REXFORD NEWCOMB, A.M., M.Arch., A.I.A., *Professor of the History of Architecture and Dean of the College of Fine and Applied Arts*
RAYMOND STRATTON SMITH, Ph.D., *Professor of Soil Physics*
CHARLES ZELENY, Ph.D., *Professor of Zoology*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

DAVID JOHN DAVIS, M.D., Ph.D., *Chairman*
FREDERICK BOGUE NOYES, A.B., D.D.S., D.Sc.
HUGH ALISTER MCGUIGAN, Ph.D., M.D.
FREDERICK HOWARD FALLS, M.S., M.D.
WILLIAM HENRY WELKER, A.C., Ph.D., *Secretary*

THE TEACHING FACULTY IN MEDICINE AND DENTISTRY[2]

1934-35

DAVID JOHN DAVIS, M.D., Ph.D., *Dean of the College of Medicine, Professor of Pathology, Head of the Department of Pathology, Bacteriology, and Public Health, and Director of Graduate Work in Medicine*
WILLIAM HENRY WELKER, A.C., Ph.D., *Professor of Physiological Chemistry and Head of the Department*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, consisting of the Dean of the Graduate School, three members elected by the Teaching Faculty, and ten additional members appointed by the President of the University after consultation with the Dean and the elected members.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor of Pharmacology, Materia Medica, and Therapeutics and Head of the Department*

OTTO FREDERICK KAMPMEIER, Ph.D., M.D., *Professor of Anatomy and Head of the Department*

FREDERICK BROWN MOOREHEAD, D.D.S., M.D., M.S., *Professor of Oral Surgery and Head of the Department of Oral and Plastic Surgery and Oral Pathology*

WILLIAM F. PETERSEN, B.S., M.D., *Professor of Pathology*

FREDERICK BOGUE NOYES, A.B., D.D.S., D.Sc., *Dean of the College of Dentistry, Professor of Orthodontia, Head of the Department, and Director of the Children's Clinic*

OLAF BERGEIM, Ph.D., *Associate Professor of Physiological Chemistry*

ALBERT BACHEM, Ph.D., *Professor of Biophysics*

FREDERICK HOWARD FALLS, M.S., M.D., *Professor of Obstetrics and Gynecology and Head of the Department*

JULIUS HAYES HESS, M.D., *Professor of Pediatrics and Head of the Department*

FRANCIS EUGENE SENEAR, B.S., M.D., *Professor of Dermatology and Head of the Department*

LLOYD ARNOLD, A.M., M.D., *Professor of Bacteriology and Public Health*

WALTER JOHN RICHARD CAMP, M.D., Ph.D., *Associate Professor of Pharmacology, Materia Medica, and Therapeutics*

JAMES ROY BLAYNEY, D.D.S., M.S., *Professor of Dental Pathology and Therapeutics, Head of the Department, and Associate Director of the Infirmary*

FRANKLIN PEARSE REAGAN, Ph.D., *Associate Professor of Anatomy*

PAUL LOUIS SCHROEDER, B.S., M.D., *Professor of Criminology, Social Hygiene, and Medical Jurisprudence, Head of the Department, and Director of the Institute for Juvenile Research*

HAROLD DOUGLAS SINGER, M.B., M.D., *Professor of Psychiatry, Head of the Department of Neuropsychiatry, and Director of the Psychiatric Institute*

HENRY BASCOM THOMAS, B.S., M.D., *Professor of Orthopaedics, Head of the Department, and Director of the Orthopaedic Institute*

GEORGE BORIS HASSIN, M.D., *Professor of Neuropsychiatry*

ANDREW WILSON BROWN, Ph.D., *Associate Professor of Criminology, Social Hygiene, and Medical Jurisprudence*

MAURICE B. VISSCHER, Ph.D., M.D., *Professor of Physiology and Head of the Department*

RICHARD HERMANN JAFFE, M.S., M.D., *Professor of Pathology*

ISAAC SCHOUR, D.D.S., Ph.D., *Associate Professor of Histology*

ROBERT WOOD KEETON, M.S., M.D., *Professor of Medicine and Head of the Department*

ERNST GELLHORN, M.D., Ph.D., *Professor of Physiology*

ISADORE PILOT, B.S., M.D., *Associate Professor of Pathology and Medicine*

HENRY GEORGE PONCHER, B.S., M.D., *Assistant Professor of Pediatrics*

CARROLL LAFLEUR BIRCH, M.S., M.D., *Assistant Professor of Medicine*

ARTHUR GIDEON COLE, Ph.D., *Assistant Professor of Physiological Chemistry*

ERIC OLDBERG, M.D., Ph.D., *Associate Professor of Neurological Surgery, and Acting Head of the Department of Surgery*

GERHARDT VON BONIN, M.D., *Assistant Professor of Anatomy*

CHARLES BERNARD PUESTOW, M.D., Ph.D., *Assistant Professor of Surgery*

CARLOS ISAAC REED, Ph.D., *Assistant Professor of Physiology*

GRADUATE WORK IN MEDICINE AND DENTISTRY

Admission

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine and Dentistry. Every applicant must submit with his application for admission an official transcript of his college record.

Registration and Program of Study

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been interrupted by unavoidable circumstances. *No student is permitted to attend any University course in which he is not registered.*

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Seniors and Graduate Study.—If at the beginning of the second semester of his senior year a student, who has been in residence at least one year, is within five hours of a bachelor's degree, he may be permitted to register for courses which may count for residence for a master's degree; provided his program does not require more than twelve formal class, lecture, or laboratory exercises a week, and is approved by the Dean at the time of registration. Only students of excellent record will be allowed this privilege.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigations in the line of work for their degrees.

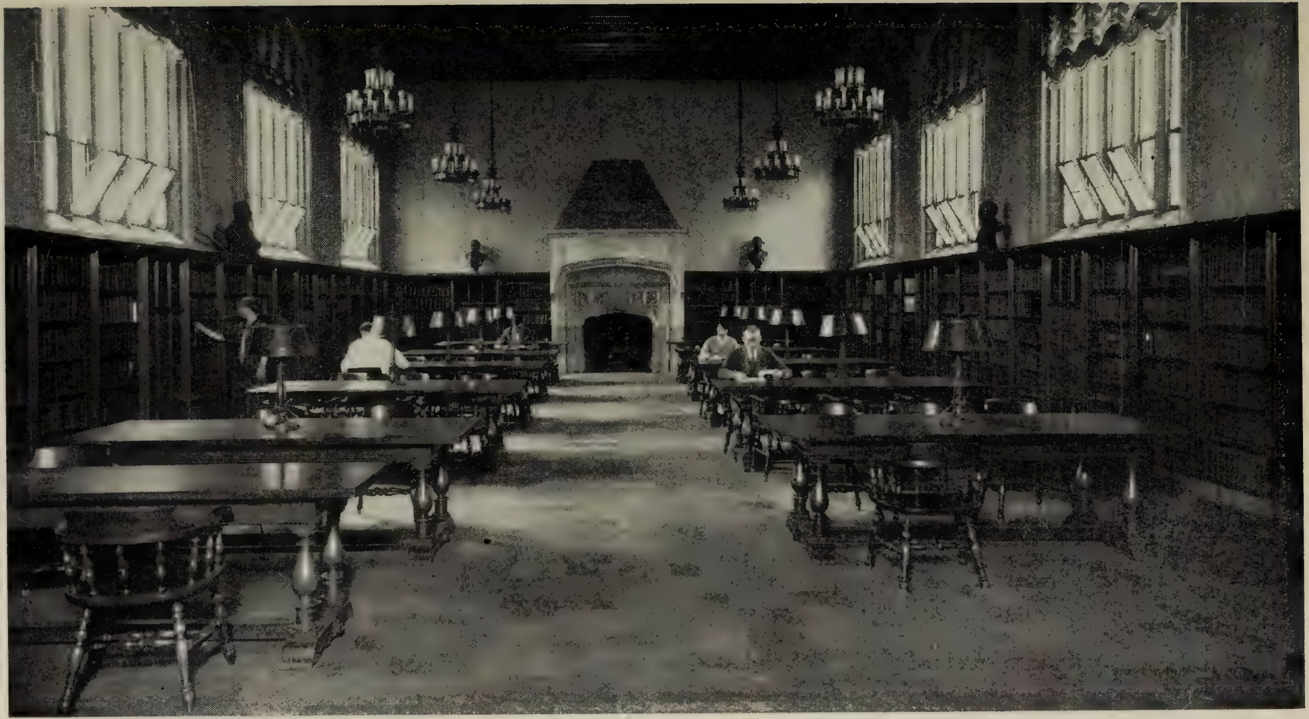
Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. If he wishes to withdraw from the University he must get clearance papers at the Director's office.

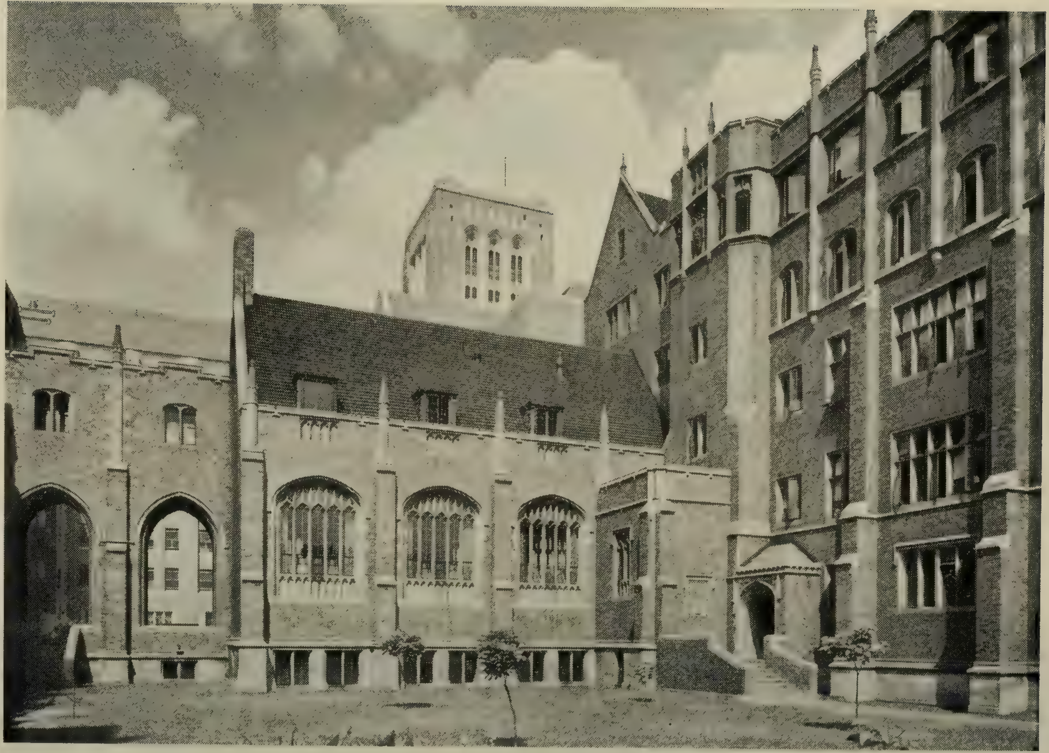
Masters' Degrees

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full ***minimum*** program for one semester, and eight such courses, or their equivalent, constitute the ***minimum formal*** year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.



Main Reading Room of the Library



Library and Passage Way to Hospital With New Laboratory Building in Background

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. He may not attend more than twelve a week without special permission.

Grades.—Students' work is graded in five classes, A, B, C, D and E. The last indicates a failure. D indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or a minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. No student will be permitted to acquire residence toward the second year for the doctorate until he has passed the preliminary examination in at least one of these languages.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only must be secured and the subject of the thesis filed at the office of the Graduate School not later than the beginning of the second half year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's Office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 338, Research Laboratory and Library Building.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Secretary's office. For the dates of application and deposition of theses, consult the calendar at the beginning of the bulletin.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. The other minor (not less than two units) must, in that case, be taken in a department of study other than that of the major.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence, during a certain period, but for scholarly attainments and power of investigation, as proved by theses and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

Preliminary Examinations

A. *In Languages.*—The student will be required to demonstrate his ability to read French and German and other languages needed in his work. (In special cases the Executive Faculty, upon recommendation of the student's adviser, may substitute for either one of the languages usually required some other language which can be shown to be more useful in that student's professional research.) No student will be permitted to acquire residence towards the second year of graduate study until he has passed the examination in at least one of these languages. Both the examination in French and that in German must be passed before the student is admitted to the preliminary examination in his major and minor subjects.

B. *In Major and Minors.*—Towards the end of his second year of study, or by special permission, at the beginning of this third year (not later than the first Saturday in October), a student who wishes to become a candidate for the degree must submit to a preliminary examination. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

Final Examination

At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time though it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper,* and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Secretary's office.

Fees and Expenses.—Except as noted below, graduate students in medicine and dentistry pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	20.00
Students not residents of Illinois pay an incidental fee of	30.00
Incidental fee (semester)	35.00
Students not residents of Illinois pay each semester an incidental fee of	62.50
Late Registration Fee. Students who enter the Graduate School after registration day are charged a late registration fee of	5.00
Graduation fee	10.00

For the graduate course in orthodontia in preparation for the practice of orthodontia as a specialty, the yearly tuition fee is $600, one-third payable at the beginning of the second semester in February, at which time the course opens, one-third in June at the beginning of summer school, one-third in October, at the beginning of the first semester.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the graduation fee on being recommended for their degrees.

Library

Adequate library facilities are essential to the prosecution of graduate work and research. In the library may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

GRADUATE COURSES IN MEDICINE AND DENTISTRY

ANATOMY

101. *Histogenesis and Experimental Morphology.*—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. One or two units. Professor Kampmeier, Associate Professor Reagan.

103. *Individual Research.*—One or two units. Professor Kampmeier, Associate Professor Reagan, Assistant Professor von Bonin.

105. *Advanced Anatomy.*—One or two units. Professor Kampmeier, Associate Professor Reagan, Assistant Professor von Bonin.

DENTAL HISTOLOGY

101. *Advanced Dental Histology.*—One or two units. Associate Professor Schour.

107. *Research in Microscopic Anatomy (Teeth and Related Tissues).*—One to three units. Associate Professor Schour.

DENTAL PATHOLOGY AND THERAPEUTICS

101. *Advanced Therapeutics.*—One or two units. Professor Blayney.

103. *Therapeutic Research.*—One or two units. Professor Blayney.

DERMATOLOGY

101. *Research in Dermatology.*—One to three units. Professor Senear.

JUVENILE BEHAVIOR

101. *Research in Juvenile Behavior.*—One to three units. Professor Schroeder.

103. *Special Abilities and Disabilities.*—One or two units. Associate Professor Brown.

104. *Psychological Tests.*—One or two units. Associate Professor Brown.

105. *Psychology of Behavior Problems.*—One to two units. Associate Professor Brown.

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

101. *Research in Laryngology, Rhinology, and Otology.*—One to three units.

MEDICINE

101. *Research in Medicine.*—One to three units. Professor Keeton, Assistant Professor Birch.

METALLURGY

101. *Metallurgical Research.*—One or two units. Professor WELKER.

NEUROPSYCHIATRY

101. *Research in Neurology.*—One to three units. Professor HASSIN.

102. *Research in Psychiatry.*—One to three units. Professor SINGER.

OBSTETRICS AND GYNECOLOGY

101. *Research in Obstetrics and Gynecology.*—One to three units. Professor FALLS.

OPHTHALMOLOGY

101. *Research in Ophthalmology.*—One to three units.

ORAL SURGERY

101. *Pathology of Mouth.*—One or two units. Professor MOOREHEAD.

103. *Oral Surgery.*—One or two units. Professor MOOREHEAD.

ORTHODONTIA

101. *Orthodontia.*—One or two units. Professor NOYES.

ORTHOPAEDICS

101. *Research in Orthopaedics.*—One to three units. Professor THOMAS.

PATHOLOGY AND BACTERIOLOGY

101. *Advanced Pathogenesis.*—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings. One or two units. Professors DAVIS, PETERSEN, ARNOLD, JAFFE; Associate Professor PILOT.

103. *Individual Research Course.*—One or two units. Professors DAVIS, PETERSEN, ARNOLD, JAFFE; Associate Professor PILOT.

PEDIATRICS

101. *Research in Pediatrics.*—One to three units. Professor HESS, Assistant Professor PONCHER.

PHARMACOLOGY

101. *Advanced Pharmacodynamics.*—Laboratory work. One or two units. Professor McGUIGAN, Associate Professor CAMP.

103. *Research in Pharmacodynamics.*—One or two units. Professor McGUIGAN, Associate Professor CAMP.

PHYSIOLOGICAL CHEMISTRY

101. *Advanced Biological Chemistry.*—Biochemical methods of research, biological colloids, enzyme action, and metabolism. One or two units. Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.

103. *Biochemical Research.*—One or two units. Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.

PHYSIOLOGY

101. *Research Work in Physiology.*—One to three units. Professors VISSCHER, GELLHORN; Assistant Professor REED.

102. *Research in Biophysics.*—One to three units. Professor BACHEM.

103. *Seminar in Selected Fields.*—One unit. Professors VISSCHER, BACHEM, GELLHORN; Assistant Professor REED.

104. *Current Literature Seminar.*—One-half unit. Required of all Graduate students in physiology. Professors VISSCHER, BACHEM, GELLHORN; Assistant Professor REED.

SURGERY

101. *Research in Surgery.*—One to three units. Associate Professor OLDBERG, Assistant Professor PUESTOW.

GRADUATE SCHOOL DEGREES

Conferred in Chicago

From May 1, 1933, to May 1, 1934

Degree of Master of Arts

IN PSYCHOLOGY

DOROTHY LOUISE FERNOW, A.B., 1932. (February 19, 1934)

Degree of Master of Science

IN BACTERIOLOGY

ALEXANDER MICHAEL BART, F.E., Imperial Institute of Forest, Petrograd, Russia, 1915. (June 12, 1933)
FLOYD HERMAN EGGERT, B.S., University of Wisconsin, 1926. (June 12, 1933)
G. HOWARD GOWEN, B.S., M.D., Northwestern University, 1921, 1926. (October 13, 1933)
TITUS MAURICE JOHNSON, A.B., Wheaton College, 1928; B.S., Northwestern University, 1929. (June 12, 1933)
ESTHER MEYER, Ph.G., 1924; B.S., University of Michigan, 1930. (October 13, 1933)
JAMES EMMETT O'MALLEY, B.S., University of Chicago, 1930. (June 12, 1933)
PAUL JOSEPH O'NEILL, A.B., 1932. (October 13, 1933)
SILKA STOCKER, A.B., Wellesley College, 1927. (June 12, 1933)

IN METALLURGY

HARRY H. ASHER, D.D.S., 1931. (October 13, 1933)

IN ORTHODONTIA

ANDREW CHARLES GODWIN, B.S., D.D.S., 1929, 1932. (June 12, 1933)
ABRAHAM GOLDSTEIN, D.D.S., 1924. (June 12, 1933)
MARTIN SIDNEY STRICKLER, D.D.S., Columbia University, 1931. (June 12, 1933)

IN PATHOLOGY

LEONIDAS HARRY BERRY, B.S., University of Chicago, 1925; M.D., Rush Medical College, 1930. (June 12, 1933)
MELVIN RUSSELL COHEN, B.S., 1931. (June 12, 1933)
JEROME JACOB HURWICH, B.S., University of Chicago, 1931. (February 19, 1934)
VICTOR LEVINE, B.S., University of Chicago, 1925; M.D., Rush Medical College, 1929. (February 19, 1934)
GEORGE MILLES, Ph.G., B.S., M.D., 1923, 1925, 1929. (February 19, 1934)

IN PHARMACOLOGY

JACK WORTHINGTON WELTY, B.S., 1931. (June 12, 1933)

IN PHYSIOLOGY

HERSCHEL SMITH BURNS, A.B., University of Southern California, 1931. (February 19, 1934)
DAVID SIDNEY MILLER, B.S., 1930. (June 12, 1933)

IN PSYCHOLOGY

SEYMOUR STEIN, A.B., 1931. (October 13, 1933)

GRADUATE STUDENTS IN MEDICINE AND DENTISTRY

1933-1934

EXPLANATION.—S indicates attendance during the Summer Session; I, during the First Semester; II, during the Second Semester. Degrees are from the University of Illinois unless otherwise noted.

Aaronson, Abe Louis, Chicago.—Medicine. (I). B.S., M.D., M.S., 1926, 1929, 1931.

Adland, Samuel Alfred, Chicago.—Pathology. (S. I. II.) B.S., 1933.

Angel, Fred James, Los Angeles, California. —Orthodontia. (II.) D.D.S., University of Southern California, 1933.

Aries, Leon Judah, Chicago.—Surgery. (I). B.S., M.S., M.D., 1929, 1931, 1932.

Aronson, Abraham, Chicago. — Physiological Chemistry. (II.) B.S., 1932.

Asher, Harry H., Chicago.—Metallurgy. (S.) D.D.S., M.S., 1931, 1933.

Baer, Walter Hilmar, Peoria. — Surgery. (II.) B.S., 1929; M.D., 1932.

Benell, Florence Bell, Chicago.—Pathology. (I. II.) A.B., University of Detroit, 1931.

Benson, Mildred Harriet, Omaha, Nebraska. —Bacteriology. (I. II.) B.S., University of Chicago, 1924.

Berg, Max, Chicago.—Pathology. (S. I. II.) B.S., 1932.

Bernier, Joseph LeRoy, Chicago.—Therapeutics. (I. II.) D.D.S., 1932.

Blayney, Harold Vincent, Chicago.—Therapeutics. (S. I.) D.D.S., 1928.

Bradley, William Besteder, Oak Park. — Physiological Chemistry. (II.) B.S., Northwestern University, 1933.

Briggs, Frances Agnes, Metamora.—Physiological Chemistry. (S. I. II.) B.S., 1926; M.S., Tulane University, 1928.

Broder, Samuel B., Chicago. — Psychiatry. (I.) A.B., University of Pennsylvania, 1926; M.D., Rush Medical College, 1933.

Brodie, Allan Gibson, Park Ridge.—Anatomy. (I.) D.D.S., University of Pennsylvania, 1919.

Burns, Herschel Smith, Salt Lake City, Utah. —Physiology. (S. I.) A.B., University of Southern California, 1931; M.S., 1934.

Clark, Rebecca Isabelle, Chicago.—Physiological Chemistry. (S.) B.S., 1927.

Cornbleet, Theodore, Chicago.—Dermatology. (I. II.) B.S., M.D., St. Louis University, 1921, 1923; M.S., 1931.

Coyne, Albert Donald, Chicago.—Physiology. (I.) B.S., 1931.

Darling, Duane Delbert, Chicago.—Medicine. (II.) B.S., University of Chicago, 1930.

Davidson, Margaret, LaGrange.—Psychiatry. (II.) A.B., 1933.

Deutsch, Nathan Solomon, Plainfield, New Jersey.—Psychiatry. (S.) B.S., 1934.

Dorton, Ellsworth, Maywood.—Pharmacology. (II.)

Dreyer, Irving, Chicago.—Pathology. (S. I. II.) B.S., M.S., M.D., 1928, 1931, 1932.

Dushkin, Milton Arnold, Chicago.—Biophysics. (S.) B.S., 1931.

Eggert, Floyd Herman, Woodworth, Wisconsin.—Bacteriology. (I.) B.S., University of Wisconsin, 1926; M.S., 1933.

Endres, Fred Carl, Peoria. — Bacteriology. (II.) B.S., Bradley Polytechnic Institute, 1928. M.D., 1933.

Ettleson, Abraham, Chicago.—Surgery. (I. II.) B.S., M.D., 1922, 1924.

Ewing, Paul Leon, Oak Park.—Pharmacology. (S.) A.B., Milton College, 1926; M.S., 1929.

Feinhandler, Harold, Chicago. — Physiology. (S. I. II.) B.S., 1932.

Fisher, Catherine Virginia, Chicago. — Bacteriology (S. I. II.) A.B., University of Wisconsin, 1929; M.S., 1931.

Fishman, Louis Zolo, Chicago. — Anatomy. (S. I. II.) B.S., M.D., 1925, 1928.

Francona, Anthony, Chicago.—Anatomy. (S.) B.S., 1931.

Gagnon, James Albert, Chicago.—Dental Histology. (II.) B.S., D.D.S., 1931, 1933.

Gant, Virgil Arnett, Lebanon. — Pharmacology. (S. I. II.) B.S., M.S., 1921, 1932.

Gasul, Banjamin Morris, Chicago. — Pediatrics. (I. II.) B.S., University of Wisconsin, 1922; M.D., Rush Medical College, 1925.

Gilman, George, Weston. — Physiological Chemistry. (I. II.) A.B., 1931.

Godwin, Andrew Charles, Chicago.—Orthodontia. (S.) B.S., D.D.S., M.S., 1929, 1932, 1933.

Goldstein, Alfred J., Chicago. — Pathology. (II.)

Gorodazky, Abraham, Chicago. — Biophysics. (S.) B.S., 1933.

Gowen, G. Howard, Chicago—Bacteriology, (S. I. II.) B.S., M.D., Northwestern University, 1921, 1926, M.S., 1933.

Gulbrandsen, Lars Freman, Chicago.—Bacteriology. (S.) B.S., M.D., 1930, 1932.

Haegle, Marie Anna, St. Joseph, Missouri.— Physiology. (S. I. II.) B.S., Lewis Institute, 1931.

Hahn, Jacob Francis, Donnellson. — Bacteriology. (S.) B.S., 1930.

Haines, William Henry, Duluth, Minnesota. —Psychiatry. (II.) B.S., B.M., M.D., University of Minnesota, 1929, 1931, 1932.

Hanszen, Arthur Hill, Dallas, Texas.—Bacteriology. (II.) A.B., A.M., University of Texas, 1931, 1932.

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Hick, Ford Kimmel, Oak Park.—Medicine. (I. II.) B.S., M.D., 1928, 1931.

Hilkevitch, Aaron Arthur, Chicago.—Neurology. (I. II.) B.S., University of Chicago, 1933.

Hill, Harold Herrin, Athens.—Obstetrics. (I. II.) B.S., M.D., 1926, 1929.

Hirschberg, Nell, Glencoe.—Bacteriology. (I. II.) B.A., Smith College, 1928; A.M., University of Colorado, 1933.

Hirschtick, Allen Bonner, Chicago. — Pathology. (II.)

Hood, Marion, Rapid City, South Dakota.— Bacteriology. (II.) A.B., Carroll College, 1918; A.M., University of Wisconsin, 1928.

Hurwich, Jerome Jacob, Chicago.—Pathology. (I.) B.S., University of Chicago, 1931; M.S., 1934.

Jaffray, David Smeaton, Chicago.—Surgery. (I.) B.S., 1930, M.D., 1933.

Johnson, Titus Maurice, Chicago.—Bacteriology. (S. I. II.) A.B., Wheaton College, 1928; B.S., Northwestern University, 1929.

Kahn, Harold, Chicago.—Pathology. (S. I. II.) B.S., 1932.

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Kaplan, Morria Aaron, Chicago. — Medicine. (S. I. II.) B.S., M.S., M.D., 1929, 1931, 1932.

Kaplan, Samuel, Chicago. — Obstetrics and Gynecology. (S. I. II.) B.S., M.D., M.S., 1922, 1929, 1931.

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Kuhn, Harry Albert, Chicago. — Pharmacology. (II.) Ph.B., M.S., University of Wisconsin, 1925.

Lakin, Herbert Sol, Chicago.—Biochemistry. (I. II.) B.S., 1933.

Lander, Herman Boris, Chicago.—Surgery. (II.)

Lawrence, Walter, Metropolis.—Anatomy. (I. II.) B.S., M.S., University of Chicago, 1916, 1925; M.D., Chicago Medical College, 1925.

Lawson, Edwin Harvey, Chicago.—Bacteriology. (I.) B.S., University of Chicago, 1932.

Lederman, Irving Harold, Chicago.—Pathology. (S. I. II.) B.S., 1934.

Levine, Victor, Chicago.—Pathology. (S. I.) B.S., University of Chicago, 1925; M.D., Rush Medical College, 1929; M.S., 1934.

Levinson, Samuel Azor, Chicago.—Pathology. (S. I. II.) B.S., M.D., M.S., 1917, 1919, 1919.

Lewis, Arthur Bedward, Steubenville, Ohio—Orthodontia. (II.) D.D.S., Ohio State University, 1933.

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Morrison, Roland Bernard, Carroll, Iowa.—Surgery. (I.) B.S., M.D., University of Iowa, 1930, 1931.

Molville, James Edward, Alton.—Bacteriology. (I. II.) B.S., St. Mary's College, 1931.

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Neel, James Todd, Carmi. — Oral Surgery. (I.) D.D.S., 1931.

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Nelson, Tell, Chicago.—Medicine. (S. I. II.) B.S., University of Chicago, 1920; M.D., Rush Medical College, 1923.

Nesbit, Marjorie Rodgers, Chicago. — Bacteriology. (I.) B.S., Northwestern University, 1926; B.P.E., American College of Physical Education, 1923; M.D., Loyola University School of Medicine, 1932.

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O'Connor, Dorothy Kathryn, Chicago.—Bacteriology. (I. II.) A.B., 1933.

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O'Neill, Paul Joseph, Alton. — Bacteriology. (S.) A.B., M.S., 1932, 1933.

Parke, John, Chicago. — Surgery. (I. II.) B.S., 1934.

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Popell, Irving Richard, Chicago. — Psychology. (S. I.) A.B., 1931.

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Rappaport, Ben Zion, Chicago. — Medicine. (I. II.) B.S., M.D., 1920, 1923.

Rhea, Keith, Clinton.—Anatomy. (II.) B.S., 1933.

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Scuderi, Carlo Salvadore, Chicago.—Surgery. (I. II.) B.S., M.D., 1926, 1929.
Segenreich, Harry, Chicago.—Pharmacology. (II.)
Shulruff, Harry Irving, Chicago.—Pathology. (I. II.) B.S., 1933.
Silverman, Harold Edward, Chicago.—Anatomy. (I. II.) M.D., 1930.
Slaughter, Danely Philip, Urbana.—Surgery. (S. I. II.) B.S., 1933.
Slepyan, Albert Herbert, Chicago.—Dermatology. (I. II.) B.S., 1932.
Smith, Paul Winston, Chicago.—Physiology. (S. I.) B.S., Kansas State Teachers College, 1928; M.S., University of Tennessee, 1929.
Snyder, Roy Kenneth, Chicago.—Physiological Chemistry. (S. I. II.) B.S., 1929.
Spiesman, Irwin Gabriel, Oak Park.—Physiology. (S. I. II.) B.S., M.D., 1919, 1922.
Spivack, Mary, Chicago. — Pathology. (S.) M.D., M.S., Navorossisky University, 1920, 1931.
Sruogins, Albina, Cicero.—Pathology. (II.) Ph.B., 1933.
Stastny, John Wallace, Oak Park. — Pathology. (II.)
Steadman, Sherwood R., St. Paul, Minnesota. —Orthodontia. (S. I.) B.S., Princeton University, 1929; D.D.S., University of Minnesota, 1932.
Steck, Isadore Elihu, Chicago. — Physiology. (I.) B.S., M.S., 1930, 1932, M.D., 1933.
Stephan, Robert Marshall, Oak Park.—Dental Pathology and Therapeutics. (II.) D.D.S., 1932.
Stocker, Silka, New York, New York.—Bacteriology. A.B., Wellesley College, 1927; M.S., 1933.
Storm, Lester Frank Mikkel, Chicago.—Physiology. (II.) B.S., 1933.
Sturman, Henry Arnold, Detroit, Michigan. —Orthodontia. (II.) D.D.S., 1922.
Tarlow, Lillian Solomon, Chicago. — Pathology. (I.) B.S., M.D., Loyola University, 1929, 1931.
Terry, Lawrence, Chicago. — Pharmacology. (S.) Ph.C., B.S., University of Washington, 1931; M.S., 1932.
Tinsley, Milton, Chicago.—Surgery. (I. II.) B.S., 1933.
Tobiasz, Olga Irene, Chicago.—Orthodontia. (S. I.) B.S., D.D.S., 1928, 1930.
Truesdell, Frank Blaine, Omaha, Nebraska.—Orthodontia. (II.) B.S., University of Nebraska, 1931.
Wach, Edward Charles, Chicago.—Physiological Chemistry. (I. II.) Ph.G., D.D.S., 1907, 1923.
Wagner, David, Oak Park.—Physiology. (S. I. II.) A.B., University of Wisconsin, 1927; M.D., 1930.
Waisman, Morris, Chicago.—Pediatrics. (I. II.) B.S., 1933.
Werch, Solomon Carl, Chicago.—Chemistry. (I.) B.S., 1931.
Whitcomb, Frances Creekmur, Chicago. — Bacteriology. (II.) B.S., 1918.
Woodward, Helen, Washington, D. C.—Physiological Chemistry. (S. I. II.) B.S., George Washington University, 1926; M.S., Iowa State College, 1929.
Zeitlin, Howard, Chicago.—Pathology. (S. I.) B.S., M.D., 1929, 1932.

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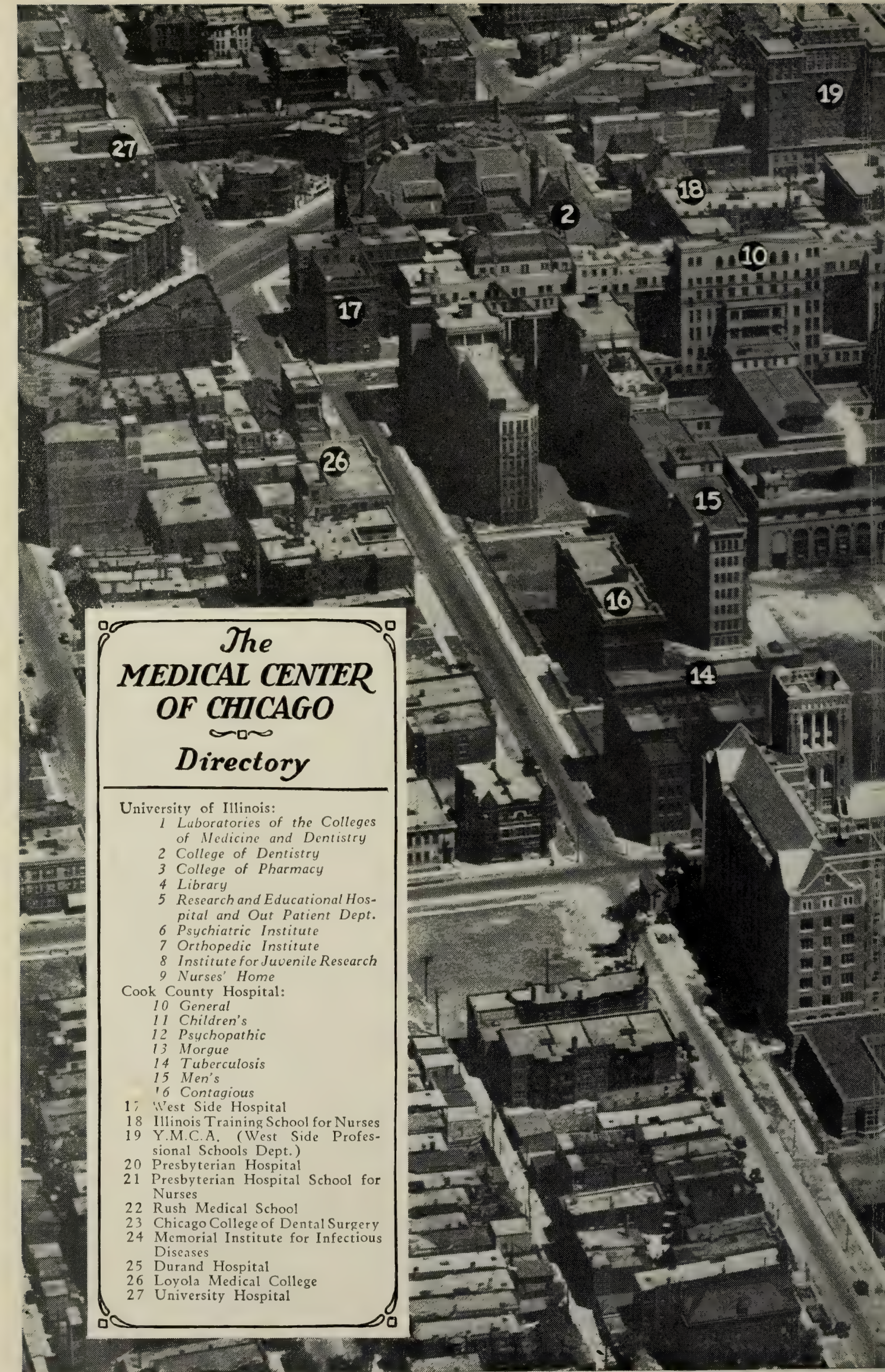

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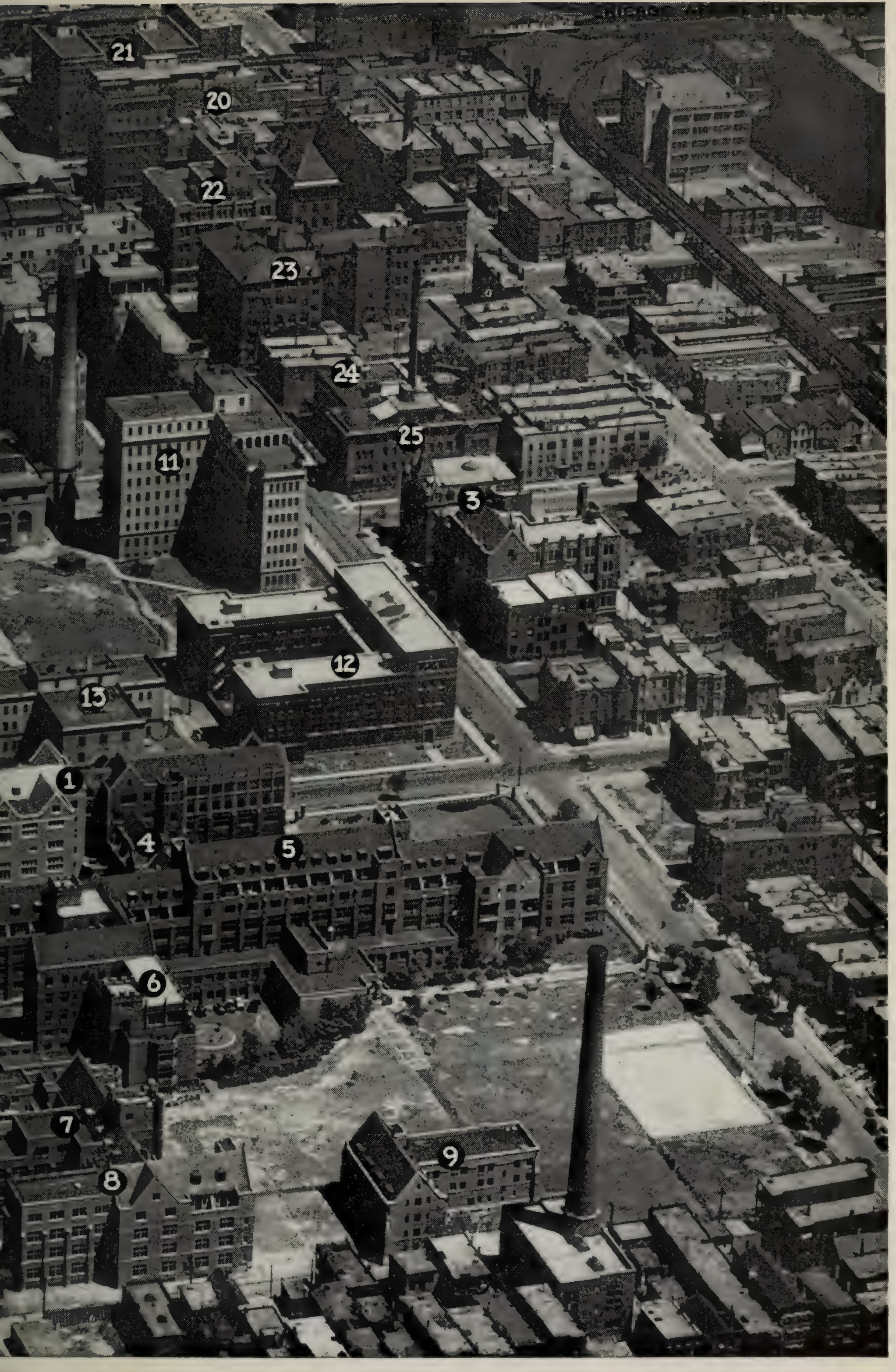
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COLLEGE CALENDAR

1935	First Semester
Sept. 23-28, Monday-Saturday	Special examinations.
Sept. 30, Monday, 8 A.M. to 5 P.M.	Registration and payment of fees.
Oct. 1, Tuesday, 8 A.M.	Instruction begun.
Nov. 27, Wednesday, 12 M.	Thanksgiving recess begun.
Dec. 2, Monday, 8 A.M.	Instruction resumed.
Dec. 21, Saturday, 5 P.M.	Holiday recess begun.
1936	
Jan. 2, Thursday, 8 A.M.	Instruction resumed.
Jan. 27, Monday	Semester examinations begun.
Feb. 1, Saturday	Semester examinations ended.

Second Semester

Feb. 3, Monday, 8 A.M. to 5 P.M.	Registration and payment of fees.
Feb. 4, Tuesday, 8 A.M.	Instruction begun.
Apr. 9, Thursday, 6 P.M.	Easter recess begun.
Apr. 13, Monday, 8 A.M.	Instruction resumed.
May 18, Monday	Second-year and fourth-year final examinations begun.
May 23, Saturday	Second-year and fourth-year final examinations ended.
May 25, Monday	First-year and third-year final examinations begun.
May 29, Friday	First-year and third-year final examinations ended.
May 30, Saturday	Memorial Day.
June 4, Thursday	Class day and alumni meeting.
June 5, Friday	Commencement exercises.

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WILLIAM MCINTIRE HARSHA, B.S., A.B., M.D., *Professor of Surgery,* Emeritus
LEE HARRISON METTLER, A.M., M.D., *Professor of Neurology,* Emeritus
CASEY A. WOOD, A.M., M.D., *Professor of Ophthalmology,* Emeritus
CHARLES DAVISON, A.M., M.D., *Professor of Surgery,* Emeritus
FREDERICK TICE, M.D., *Professor of Medicine,* Emeritus
NORVAL HARVEY PIERCE, M.D., *Professor of Laryngology, Rhinology, and Otology, and Head of the Department,* Emeritus
CHARLES SUMNER BACON, Ph.B., M.D., D.Sc., *Professor of Obstetrics,* Emeritus
WILLIAM ELLIOTT GAMBLE, B.S., M.D., *Professor of Ophthalmology,* Emeritus
LOUIS SCHULTZ, D.D.S., M.D., *Professor of Oral Surgery and Pathology,* Emeritus
HAIM IDDELL DAVIS, M.D., *Professor of Psychiatry,* Emeritus
JOSEPH CLAR BECK, M.D., *Associate Professor of Laryngology, Rhinology, and Otology,* Emeritus
ELMER DEWITT BROTHERS, B.S., LL.B., *Lecturer in Medical Jurisprudence,* Emeritus

Professors

DAVID JOHN DAVIS, M.D., Ph.D., *Professor of Pathology, Head of the Department of Pathology, Bacteriology, and Public Health, and Dean of the College of Medicine*
JULIUS HAYES HESS, M.D., *Professor of Pediatrics and Head of the Department*
HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of the Department*
HAROLD DOUGLAS SINGER, M.D., *Professor of Psychiatry, Head of the Department of Neuropsychiatry, and Director of the Psychiatric Institute*
CHARLES EDWARD HUMISTON, D.Sc., M.D., *Professor of Surgery*
WILLIAM HENRY WELKER, A.C., Ph.D., *Professor of Physiological Chemistry and Head of the Department*
NELSON MORTIMER PERCY, M.D., *Professor of Surgery*
FRANCIS EUGENE SENEAR, B.S., M.D., *Professor of Dermatology and Head of the Department*
WILLIAM F. PETERSEN, B.S., M.D., *Professor of Pathology*
ADOLPH HARTUNG, M.D., *Professor of Roentgenology*
ALBERT BACHEM, Ph.D., *Professor of Biophysics*

FREDERICK HOWARD FALLS, M.S., M.D., *Professor of Obstetrics and Gynecology and Head of the Department*

GEORGE BORIS HASSIN, M.D., *Professor of Neuropsychiatry*

FREDERICK GEORGE DYAS, M.D., *Professor of Surgery*

CHARLES MORGAN MCKENNA, B.S., M.D., *Professor of Genito-Urinary Surgery*

HENRY BASCOM THOMAS, B.S., M.D., *Professor of Orthopaedics, Head of the Department, and Director of the Orthopaedic Institute*

RACHELLE S. YARROS, M.D., *Professor of Social Hygiene*

OTTO FREDERIC KAMPMEIER,[1] Ph.D., M.D., *Professor of Anatomy and Head of the Department*

ROBERT WOOD KEETON, M.S., M.D., *Professor of Medicine and Head of the Department*

MAURICE LEWISON, M.D., *Professor of Physical Diagnosis*

CHARLES HERBERT PHIFER, M.D., *Professor of Surgery*

SIDNEY STRAUSS, A.B., M.D., *Professor of Medicine*

LLOYD ARNOLD, A.M., M.D., *Professor of Bacteriology and Public Health*

HENRY EUGENE IRISH, M.D., *Professor of Pediatrics*

MAURICE LAMM BLATT, M.D., D.Sc., *Professor of Pediatrics*

GEORGE DE TARNOWSKY, M.D., *Professor of Surgery*

MAURICE B. VISSCHER, Ph.D., M.D., *Professor of Physiology and Head of the Department*

EPHRAIM KIRKPATRICK FINDLAY, M.D., C.M., *Professor of Ophthalmology*

PAUL LOUIS SCHROEDER, B.S., M.D., *Professor of Criminology, Social Hygiene, and Medical Jurisprudence, Head of the Department, and Director of the Institute for Juvenile Research*

BERNARD FANTUS, M.S., M.D., *Professor of Therapeutics*

RICHARD HERMANN JAFFE, M.S., M.D., *Professor of Pathology*

ERNST GELLHORN, M.D., Ph.D., *Professor of Physiology*

FRANCIS LOEFFLER LEDERER, B.S., M.D., *Professor of Laryngology, Rhinology, and Otology, and Head of the Department*

Associate Professors

FRANK CHAUVET, M.D., *Associate Professor of Medicine*

ERNEST SISSON MOORE, Ph.B., M.D., *Associate Professor of Medicine and Superintendent of the Hospital Staff*

OLAF BERGEIM, Ph.D., *Associate Professor of Physiological Chemistry*

HALLARD BEARD, B.S., M.D., *Associate Professor of Ophthalmology*

JACOB MEYER, M.S., M.D., *Associate Professor of Medicine*

ISADORE PILOT, B.S., M.D., *Associate Professor of Medicine and of Pathology*

FRANKLIN PEARSE REAGAN, Ph.D., *Associate Professor of Anatomy*

BENJAMIN GOLDBERG, M.D., *Associate Professor of Medicine*

GEORGE WASHINGTON POST, JR., A.M., M.D., *Associate Professor of Surgery*

WALTER JOHN RICHARD CAMP, M.D., Ph.D., *Associate Professor of Pharmacology, Materia Medica, and Therapeutics*

ANDREW WILSON BROWN, Ph.D., *Associate Professor of Criminology, Social Hygiene, and Medical Jurisprudence*

ELLIS BENJAMIN FREILICH, M.D., *Associate Professor of Medicine*

VINCENT JOHN O'CONOR, B.S., M.D., *Associate Professor of Genito-Urinary Surgery*

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[1] On leave of absence for six months beginning December 1, 1934

Samuel Perlstein, M.D., *Associate Professor of Medicine*
Harry Albert Singer, M.S., M.D., *Associate Professor of Medicine*
Samuel Azor Levinson, M.S., M.D., *Associate Professor of Pathology, Assistant Professor of Medicine, Director of the Hospital Laboratory, and Hospital Pathologist*
Oscar Eugene Nadeau, B.S., M.D., *Associate Professor of Surgery*
Alexander John Nedzel, M.D., M.S., *Associate Professor of Bacteriology and Public Health*
Otto Saphir, M.D., *Associate Professor of Pathology*
Eric Oldberg, M.D., Ph.D., *Associate Professor of Neurological Surgery and Acting Head of the Department of Surgery*
Arnold Albert Zimmermann, D.Sc., *Associate Professor of Anatomy*
Max Samuel Wien, B.S., M.D., *Associate Professor of Dermatology*
Roland Parks Mackay, A.B., M.D., *Associate Professor of Neurology*
George Joseph Mohr,[1] B.S., M.D., *Associate Professor of Juvenile Behavior*

Assistant Professors

John Michael Lang, M.D., *Assistant Professor of Gynecology*
Arthur Reuben Cooper, Ph.D., M.D., *Assistant Professor of Anatomy*
George Luther Davenport, M.D., *Assistant Professor of Surgery* .
Lester Edward Bower, A.B., M.D., *Assistant Professor of Pediatrics*
Isadore Bernhard Diamond, M.D., *Assistant Professor of Neurology*
Walter Charles Hammond, M.D., *Assistant Professor of Obstetrics*
Frank Lee Stone, M.D., *Assistant Professor of Gynecology*
Julius Ernest Lackner, B.S., M.D., *Assistant Professor of Obstetrics*
Selim Walker McArthur, Ph.B., M.D., *Assistant Professor of Surgery*
Russell Dorr Herrold, B.S., M.D., *Assistant Professor of Surgery*
Frank Joseph Jirka, M.D., *Assistant Professor of Surgery*
Franklin Samuel Wilson, Ph.G., M.D., *Assistant Professor of Medicine*
Arrie Bamberger, B.S., M.D., *Assistant Professor of Surgery*
Carlos Isaac Reed, Ph.D., *Assistant Professor of Physiology*
Alvah Lewis Sawyer, B.S., M.D., *Assistant Professor of Medicine*
Joseph Kaiser Calvin, B.S., M.D., *Assistant Professor of Pediatrics*
John Baptist Cipriani, M.D., *Assistant Professor of Medicine*
Edmund Foley, B.S., M.D., *Assistant Professor of Medicine*
Herman Petrus Gunnar, B.S., M.D., *Assistant Professor of Medicine*
Abraham Fae Lash, M.D., Ph.D., *Assistant Professor of Obstetrics and Gynecology*
Duane Willard Propst, A.B., B.S., M.D., *Assistant Professor of Medicine*
Philip Rosenblum, M.D., *Assistant Professor of Pediatrics*
Albert VanderKloot, M.D., *Assistant Professor of Medicine*
David Mortimer Olkon, A.M., M.D., *Assistant Professor of Neuropsychiatry*
Henry George Poncher, B.S., M.D., *Assistant Professor of Pediatrics*
Frank George Murphy, B.S., M.D., *Assistant Professor of Orthopaedics*
Mrs. Carroll LaFleur Birch, M.S., M.D., *Assistant Professor of Medicine*
William Harcourt Browne, B.S., M.D., *Assistant Professor of Obstetrics and Gynecology*
Arthur Gideon Cole, Ph.D., *Assistant Professor of Physiological Chemistry*
Max Lyon Folk, M.D., *Assistant Professor of Ophthalmology*

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[1] Beginning March 15, 1935.

THOMAS SMITH JONES, B.F.A., *Assistant Professor of Medical and Dental Illustration*
RALPH AUGUST KORDENAT, M.S., M.D., *Assistant Professor of Surgery*
JOHN DOUGLAS KOUCKY, M.S., M.D., *Assistant Professor of Surgery*
ABRAHAM ADOLPH LOW, M.D., *Assistant Professor of Neuropsychiatry*
ROBERT BRUCE MALCOLM, M.S., M.D., *Assistant Professor of Surgery*
JACOB MORTON MORA, B.S., M.D., *Assistant Professor of Surgery*
CHARLES NEWBERGER, B.S., M.D., *Assistant Professor of Obstetrics*
LINDON SEED, M.S., M.D., *Assistant Professor of Surgery*
HIRAM JASON SMITH, M.D., *Assistant Professor of Ophthalmology*
MICHAEL HENRY STREICHER, M.S., M.D., *Assistant Professor of Medicine*
ROY GILMORE BARRICK, M.D., M.H.D., *Assistant Professor of Criminology*
ROBERT LELON LADD, M.S., M.D., *Assistant Professor of Oral Pathology*
JOHN JOSEPH THEOBALD, B.S., M.D., *Assistant Professor of Laryngology, Rhinology, and Otology*
WALTER HENRY THEOBALD, B.S., M.D., *Assistant Professor of Laryngology, Rhinology, and Otology*
FREDERICK WILLIAM HARK, M.S., M.D., *Assistant Professor of Orthopaedics*
GERHARDT VON BONIN, M.D., *Assistant Professor of Anatomy*
HUGO OTTO DEUSS, B.S., M.D., *Assistant Professor of Medicine*
YNGVE JORANSON, A.B., B.S., M.D., *Assistant Professor of Anatomy*
ISIDORE A. RABENS, M.S., M.D., *Assistant Professor of Medicine*
THOMAS GORDON HULL, Ph.D., *Assistant Professor of Bacteriology*
FRANK B. LUSK, A.M., M.D., *Assistant Professor of Medicine*
GEORGE MILLES, Ph.G., M.S., M.D., *Assistant Professor of Pathology*
EUGENE CONSTANTINE PIETTE, M.D., *Assistant Professor of Pathology*
CHARLES BERNARD PUESTOW, M.D., Ph.D., *Assistant Professor of Surgery*
ALFRED P. SOLOMON, A.B., M.D., *Assistant Professor of Neuropsychiatry*
RICHARD LOCKWOOD WEBB, Ph.D., *Assistant Professor of Anatomy*
HARRY FOSTER FERGUSON,[1] B.S., *Assistant Professor of Public Health*
RICHARD LEOS JENKINS, A.B., M.D., *Assistant Professor of Physiology and of Juvenile Behavior*
RUDOLPH JOHANN KREMER, M.D., *Assistant Professor of Pathology*
P. JOSEPH SARMA, M.S., M.D., *Assistant Professor of Surgery*
WILL FERSON LYON,[2] A.B., M.D., *Assistant Professor of Surgery*
GEZA DE TAKATS,[2] M.D., M.Surg., *Assistant Professor of Surgery*
DANIEL HAROLD LEVINTHAL,[3] M.D., *Assistant Professor of Orthopaedics*

Associates

SOLOMON MAXWELL GOLDBERGER, M.D., *Associate in Pediatrics*
JOSEPH GREENGARD, B.S., M.D., *Associate in Pediatrics*
BENJAMIN ZION RAPPAPORT, M.S., M.D., *Associate in Medicine*
IRIS MCKY CHAMBERLAIN, M.D., *Associate in Pediatrics*
GEORGE SHAYNIN LIVINGSTON, M.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
EDWIN WALTER HIRSCH, B.S., M.D., *Associate in Genito-Urinary Surgery*
LOUIS SENDER ROBINS, B.S., M.D., *Associate in Pediatrics*
VIRGIL RAY STEPHENS, M.S., M.D., *Associate in Surgery*

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[1] Deceased January 16, 1935.
[2] Beginning November 1, 1934.
[3] Beginning April 1, 1935.

HAWTHORNE COLLINS WALLACE,[1] A.B., M.D., *Associate in Surgery*
PAUL LEON EWING, Ph.D., *Associate in Pharmacology, Materia Medica, and Therapeutics*
ERNEST A. BREDLAU, M.D., *Associate in Laryngology, Rhinology, and Otology*
MOSES GOLDWASSER, M.D., *Associate in Medicine*
MINAS JOANNIDES, M.S., M.D., *Associate in Surgery*
MILTON HENRY KRONENBERG, B.S., M.D., *Associate in Surgery and in Medicine*
THOMAS PAINE SALTIEL, B.S., M.D., *Associate in Pediatrics*
GUSTAV LEOPOLD ZECHEL, M.D., *Associate in Surgery and in Anatomy*
I. PAT BRONSTEIN, B.S., M.D., *Associate in Pediatrics*
WALTER WILLIAM DALITSCH, B.S., D.D.S., M.D., *Associate in Medicine and Health Officer*
LOUIS FELDMAN, B.S., M.D., *Associate in Medicine*
SAMUEL I. KAUFMAN, M.D., *Associate in Ophthalmology*
DIETRICH KLEMPTNER, M.D., *Associate in Medicine*
LEON WADE MARTIN, Ph.C., M.D., *Associate in Obstetrics*
HARRY OLIVER MARYAN, B.S., M.D., *Associate in Obstetrics and Gynecology*
SAMUEL CUSHING BEACH, M.D., *Associate in Industrial Hygiene*
WILLIAM ALEXANDER MCKEE, B.M., *Associate in Criminology*
RICHARD A. LIFVENDAHL, B.S., M.D., *Associate in Gynecology*
THEODORE CORNBLEET, B.S., M.D., *Associate in Dermatology*
NOAH FOX, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
BENJAMIN MORRIS GASUL, B.S., M.D., *Associate in Pediatrics*
SAMUEL JULIAN HOFFMAN, B.S., M.D., *Associate in Pediatrics*
HARRY LEICHENGER, B.S., M.D., *Associate in Pediatrics*
TELL NELSON, M.S., M.D., *Associate in Medicine*
SAUL S. SOLOWAY, B.S., M.D., *Associate in Medicine*
GUSTAVE FRANKEL WEINFELD, M.D., *Associate in Pediatrics*
ISRAEL BECKER, B.S., M.D., *Associate in Medicine*
FRED TEMPLE BURLING, B.S., M.D., *Associate in Criminology, Social Hygiene, and Medical Jurisprudence*
MARCUS RAYNER CARO, B.S., M.D., *Associate in Dermatology*
EARL ERNST EWERT, B.S., M.D., *Associate in Surgery*
PHILIP ALLEN HALPER, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
WILLIAM A. MARSHALL, B.S., M.D., *Associate in Orthopaedics*
HERBERT RATTNER, M.D., *Associate in Dermatology*
RUSSELL ADAMS SCOTT, A.B., M.D., *Associate in Obstetrics and Gynecology*
SHERMAN LAWRENCE SHAPIRO, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
PARKE HARVEY SIMER, Ph.D., *Associate in Anatomy*
WILLARD VAN HAZEL, A.B., M.D., *Associate in Surgery*
PERRY JULIUS MELNICK, M.S., M.D., *Associate in Pathology*
NOBEL GUSTAF JOHNSON, A.B., J.D., *Associate in Medical Jurisprudence*
MAXWELL GITELSON, B.S., M.D., *Associate in Criminology, Social Hygiene, and Medical Jurisprudence*
ROBBIE NEELEY BRUNNER, M.D., *Associate in Anaesthesia*
CLAUDE NEEDHAM LAMBERT, A.B., M.D., *Associate in Orthopaedics*
MRS. CORNELIA H. ALLEN, A.B., M.D., *Associate in Social Hygiene*

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[1] Resignation effective March 11, 1935.

THOMAS M. FRENCH, A.B., M.D., *Associate in Juvenile Behavior*
JERRY JOSEPH KEARNS, B.S., M.D., *Associate in Pathology*
ALFRED JULIAN KOBAK, M.S., M.D., *Associate in Obstetrics and Gynecology*
BENJAMIN HAROLD NEIMAN, M.S., M.D., *Associate in Pathology*
RUDOLPH JUSTUS EMANUEL ODEN, A.B., M.D., *Associate in Surgery*
MINNIE OBOLER PERLSTEIN, B.S., M.D., *Associate in Dermatology*
LOUIS WILLIAM SCHULTZ, B.S., D.D.S., M.D., *Associate in Surgery and Instructor in Oral Surgery*
CARLO SALVADORE SCUDERI, B.S., M.D., *Associate in Surgery*
MAX T. BOLOTIN, B.S., M.D., *Associate in Medicine*
BENJAMIN FRANKLIN CROUTCH,[1] *Associate in Surgery*
WILLIAM HENRY HAZLETT,[1] M.D., *Associate in Surgery*
BERNARD PORTIS,[2] M.D., Ph.D., *Associate in Surgery*

Lecturers

CLARENCE WEINERT MUEHLBERGER, Ph.D., *Lecturer in Toxicology*
WARREN GARFIELD MURRAY, M.D., *Lecturer in Criminology*
MAJOR HENRY WORTHINGTON, M.D., *Lecturer in Hospital Organization and Administration*
RODNEY HOWE BRANDON, *Lecturer in Criminology, Social Hygiene, and Medical Jurisprudence*

Instructors

MAURICE JOSEPH ROSE, B.S., M.D., *Instructor in Obstetrics*
HENRY OSCAR WERNICKE, A.B., M.D., *Instructor in Surgery*
WALTER RATHFON FISCHER, B.S., M.D., *Instructor in Orthopaedics*
DAVID ARTHUR WILLIS, B.S., M.D., *Instructor in Surgery*
HAROLD IRVING MEYER, M.S., M.D., *Instructor in Surgery*
BENJAMIN MORDECAI LEVIN, B.S., M.D., *Instructor in Pediatrics*
NORBERT PAUKER, B.S., M.D., *Instructor in Pediatrics*
EMIL JAMES STEIN, M.D., *Instructor in Anatomy and in Surgery*
JOSEPH WALKON PLATIN, M.D., *Instructor in Genito-Urinary Surgery*
JOHN AMBROSE CLARK BUSBY, M.S., M.D., *Instructor in Obstetrics*
LOUIS JOSEPH HALPERN, B.S., M.D., *Instructor in Pediatrics*
ALFONS R. BACON, B.S., M.D., *Instructor in Obstetrics*
ABE LOUIS AARONSON, M.S., M.D., *Instructor in Medicine*
MAT BLOOMFIELD, B.S., M.D., *Instructor in Obstetrics*
PERCY JOSEPH DELANO, B.S., M.D., *Instructor in Surgery*
JOHN ANTHONY SULDANE, M.D., *Instructor in Pediatrics*
MARION HOOD, A.M., *Instructor in Medicine*
LOUIS N. BOELIO, B.S., M.D., *Instructor in Anatomy*
MAX ELEAGER FISCH, M.S., M.D., *Instructor in Anatomy and in Medicine*
ROBERT PRESTON MACFATE, Ch.E., M.S., *Instructor in Physiological Chemistry and Hospital Chemist in the Hospital Laboratory*
HENRY R. KRASNOW, M.D., *Instructor in Dermatology*
TIMOTHY FRANCIS MULLEN, B.S., M.D., *Instructor in Orthopaedics*
OSCAR BENJAMIN RAGINS, B.S., M.D., *Instructor in Medicine*

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[1] Beginning November 1, 1934.
[2] Second semester.

Irwin G. Spiesman, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*

Herbert Eli McDaniels, M.S., *Instructor in Bacteriology and Public Health*

Hector Morrison Ross, M.D., *Instructor in Orthopaedics*

Carl Oscar Gotfried Almquist, B.S., M.D., *Instructor in Surgery*

Archie Cecil Kane,[1] M.D., C.M., *Instructor in Laryngology, Rhinology, and Otology*

Carl Apple, B.S., M.D., *Instructor in Ophthalmology*

Harold Herrin Hill, B.S., M.D., *Instructor in Obstetrics and Gynecology*

Clarence A. Johnson, Ph.D., *Instructor in Physiological Chemistry*

Samuel Kaplan, M.S., M.D., *Instructor in Obstetrics and Gynecology*

Jane Rose McLaughlin, A.B., R.N., *Instructor in Obstetrics and Gynecology*

Alexander George Marshall, B.S., M.D., *Instructor in Surgery*

Milton Joseph Summerville, A.B., M.D., *Instructor in Obstetrics and Gynecology*

Oliver Edward VanAlyea, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*

Arthur Jethro Coombs, A.B., M.D., *Instructor in Laryngology, Rhinology, and Otology*

John W. Harned, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*

Ford Kimmel Hick, M.S., M.D., *Instructor in Medicine*

Paul Winston Smith, Ph.D., *Instructor in Physiology*

Earle Rupert Pace, A.B., M.D., *Instructor in Dermatology*

Melvin Louis Afremow, M.S., M.D., *Instructor in Medicine*

William S. Boikan, M.S., M.D., *Instructor in Medicine and in Pathology*

Myrtle Barbara Crudim, B.S., M.D., *Instructor in Medicine*

George Edward DeTrana, B.S., M.D., *Instructor in Medicine*

Hymen William Golub, B.S., M.D., *Instructor in Medicine*

Eugene Grosz, M.D., *Instructor in Medicine*

Julius A. Gurvey, B.S., M.D., *Instructor in Medicine*

Melvin Reese Guttman, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*

Benjamin Pearlman, B.S., M.D., *Instructor in Medicine*

Lars Freman Gulbrandsen, M.D., *Instructor in Bacteriology and Public Health*

Herman Louis Mishkin, B.S., M.D., *Instructor in Surgery*

Samuel Mordecai Morwitz, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*

Charles Otis Smith, A.B., B.S., M.D., *Instructor in Obstetrics*

Leon Krohn, B.S., M.D., *Instructor in Obstetrics and Gynecology*

Samuel Peluse, B.S., M.D., *Instructor in Medicine and in Surgery*

Colquitt Otis Ritch, B.S., M.D., *Instructor in Surgery*

George Thomas Murphy, M.S., M.D., *Instructor in Surgery*

Philip Frederic Schneider, M.D., *Instructor in Obstetrics and Gynecology*

Reuben Isadore Klein, M.S., M.D., *Instructor in Pathology*

Noah Daniel Fabricant, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*

Louis Zolo Fishman, M.S., M.D., *Instructor in Laryngology, Rhinology, and Otology, and Assistant in Anatomy*

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[1] Deceased February 10, 1935.

GEORGE L. PERCY, JR., B.S., M.D., *Instructor in Surgery*
HENRY CHASKELL SCHORR, B.S., M.D., *Instructor in Dermatology*
ABRAHAM RISEL HOLLENDER, M.D., *Instructor in Laryngology, Rhinology, and Otology*
EMIL WEISS, M.D., *Instructor in Pathology*
SAMUEL HENRY KRAINES, B.S., M.D., *Instructor in Neuropsychiatry*
WILLIAM KENNETH FORD, M.D., *Instructor in Dermatology*
FRANK HERMAN FOWLER, M.D., *Instructor in Pathology*
ALEX BENJAMIN RAGINS, M.S., M.D., *Instructor in Pathology*
CARROLL W. STUART, D.D.S., M.S., M.D., *Instructor in Bacteriology and Public Health*
DAVID MANSOWIT, B.S., M.D., *Instructor in Pediatrics*
JACOB WARREN FISCHER, B.S., M.D., *Instructor in Medicine*
MRS. BEULAH CHAMBERLAIN BOSSELMAN, A.B., M.D., *Instructor in Neuropsychiatry*
JAMES WILSON CLARK, B.S., M.D., *Instructor in Ophthalmology*
IRENE CASE SHERMAN, Ph.D., M.D., *Instructor in Neuropsychiatry*
LEO E. AMTMAN, B.S., M.D., *Instructor in Medicine*
RICHARD MILTON DAVISON, M.D., M.S., *Instructor in Surgery*
JAY WEBB LOWELL, M.D., *Instructor in Ophthalmology*
JOHN CHARLES MCMILLAN, JR., B.S., M.D., *Instructor in Medicine*
ROY OTIS RISER, B.S., M.D., *Instructor in Ophthalmology*
EMIL THEODORE HOVERSON,[1] A.M., M.D., *Instructor in Pathology, Bacteriology, and Public Health*
CARL JULIUS GUSTAFSON, B.S., M.D., *Instructor in Bacteriology*
GEORGE FIELDING HIBBERT, B.S., M.D., *Instructor in Obstetrics and Gynecology*
JOSEPH SIMONS,[1] M.S., M.D., *Instructor in Anatomy*
LEON JUDAH ARIES, M.S., M.D., *Instructor in Surgery*
EUGENE LESTER BAKER,[2] B.S., M.D., *Instructor in Surgery*
RALPH HENRY KUHNS,[3] B.S., M.D., *Instructor in Neuropsychiatry*
FOSTER LAMONT MCMILLAN,[2] B.S., M.D., *Instructor in Surgery*
GUY V. PONTIUS, B.S., M.D., *Instructor in Surgery*
JOSEPH CYRUS RHEINGOLD, M.D., M.S., *Instructor in Neuropsychiatry*
PERRY W. ROSS,[2] Ph.G., M.D., *Instructor in Surgery*
PAUL CHESTER BEAVER,[4] Ph.D., *Instructor in Pathology*
RAYMOND GREEN,[4] B.S., M.D., *Instructor in Surgery*
LOUIS DAVID JOSEPH,[4] M.D., *Instructor in Surgery*
SOL ROY ROSENTHAL,[5] M.D., Ph.D., *Instructor in Bacteriology*
ROBERT COOMBS,[6] B.S., M.D., *Instructor in Surgery*
MARION CECILE CORRIGAN,[6] B.S., M.D., *Instructor in Pathology*

Assistants

BENJAMIN BRAUDE, M.S., M.D., *Assistant in Surgery*
SAMUEL JACOB BURROWS,[1] M.D., *Assistant in Anatomy*
MORRIS LOUIS PARKER, B.S., M.D., *Assistant in Surgery*
HERMAN J. PILKA, B.S., M.D., *Assistant in Anatomy*
MRS. HEDVIG KLEPPE,[1] A.B., *Assistant in Clinical Pathology*

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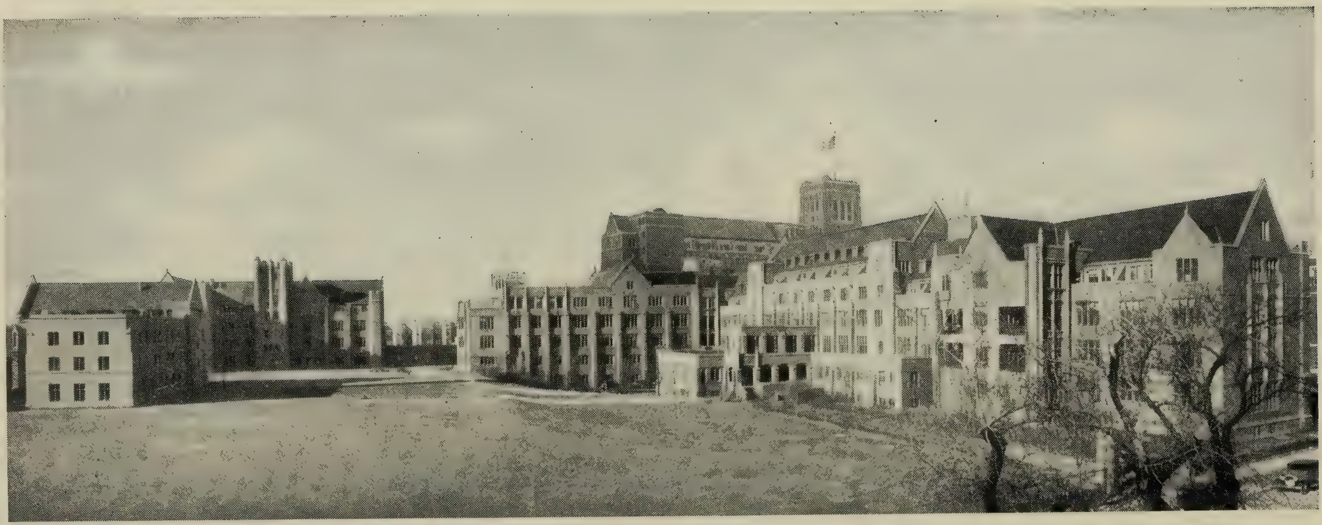
[1] First semester.
[2] Beginning November 1, 1934.
[3] Beginning December 1, 1934.
[4] Beginning January 1, 1935.
[5] Beginning March 15, 1935.
[6] Beginning April 1, 1935.

The Main Laboratory Building of the Colleges of Medicine and Dentistry



The Campus Viewed from the Southeast, With the Research and Educational Hospital in the Foreground

Jacob Paskind, M.D., *Assistant in Neuropsychiatry*

Clara Deborah Tigay, A.B., M.D., *Assistant in Pediatrics*

Adeline Rawson White, B.S., M.D., *Assistant in Anatomy*

Frances Agnes Briggs, M.S., *Assistant in Physiological Chemistry*

Mrs. Isabelle Clark Dorrell, B.S., *Assistant in Clinical Pathology*

Cecil Claude Harvey, M.S., *Assistant in Physiological Chemistry*

John A. Higgins, D.D.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*

Milo Edward Vacin, M.D., *Assistant in Anatomy*

Mrs. Ruth Lebensart, M.D., *Assistant in Neuropsychiatry*

Meredith Louis Hult Ostrom, M.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*

Raymond Clifford Ingraham, Ph.D., *Assistant in Physiology*

Helen Woodward, M.S., *Research Assistant in Pediatrics*

Cecil David Brown, B.S., M.D., *Assistant in Surgery*

John Talbot Gernon, B.S., M.D., *Assistant in Urology*

Howard Chester Peters, B.S., *Assistant in Physiology*

Harold Leo Klawans, B.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*

Harold Shellow, B.S., M.D., *Assistant in Dermatology*

Emanuel Padnos, B.S., M.D., *Assistant in Pediatrics*

Virgil Arnett Gant, M.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*

William James Gillesby, B.S., M.D., *Assistant and Senior Resident in Surgery*

Bronislava Z. Reznick, M.D., *Assistant in Ophthalmology*

Martin Henry Seifert, Ph.G., B.S., M.D., *Assistant in Anatomy*

David Charles Simon, B.S., M.D., *Assistant in Medicine*

Theodore John Wachowski, B.S., M.D., *Assistant in Roentgenology and Roentgen Operator*

Maurice Schneider, M.D., *Assistant in Pediatrics*

Harold Vivian Wadsworth, M.D., *Assistant in Laryngology, Rhinology, and Otology*

Mrs. Janet Thayer Conway, M.S., M.D., *Assistant in Obstetrics and Gynecology*

Jack D. Kirshbaum, M.S., M.D., *Assistant in Medicine*

Frederick William Schacht, M.S., M.D., *Assistant in Urology*

Elmer Emanuel Swanson, A.B., B.S., M.D., *Assistant in Anatomy*

John Michael Benedetto, B.S., M.D., *Assistant in Medicine*

Walter Hilmar Baer, B.S., M.D., *Assistant in Neuropsychiatry*

Robert Moore Jones, A.B., M.D., *Assistant in Medicine*

Philip Montgomery Law, M.D., *Assistant in Medicine*

Mrs. Rudla Burns Rind, B.S., M.D., *Assistant in Medicine*

Irving Dreyer, M.S., M.D., *Assistant in Medicine*

Henry Pickett Dorman, M.D., Ph.D., *Assistant in Medicine*

Morris Aaron Kaplan, M.S., M.D., *Assistant in Medicine*

Everett Arthur Grimmer, D.D.S., *Assistant in Orthopaedics*

Henry Abraham Siegal, B.S., M.D., *Assistant in Medicine*

Sol M. Abelson, B.S., M.D., *Assistant in Pediatrics*
Jacob Joseph Baratz, B.S., M.D., *Assistant in Pediatrics*
Roosevelt Brooks, M.D., *Assistant in Ophthalmology*
Josephine Marion Dyniewicz, Ph.G., Ph.C., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
Loring Smith Helfrich, B.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
Edgar Herman Arthur Kramp, B.S., D.D.S., *Assistant in Oral Surgery, and Instructor in Dental Pathology and Therapeutics.*
George William Marquardt, D.D.S., *Assistant in Oral Surgery*
David Wilmarth Northup, A.M., *Assistant in Physiology*
George Henry Rezek, A.B., M.D., *Assistant and Resident in Obstetrics and Gynecology*
John Robert Wolff, M.D., *Assistant in Obstetrics and Gynecology*
David Smeaton Jaffray, B.S., M.D., *Assistant and Second Junior Resident in Surgery*
John Todd Reynolds, M.S., M.D., *Assistant in Anatomy*
Louis Bernard Shapiro, B.S., M.D., *Assistant in Neuropsychiatry*
Isadore Elihu Steck, M.S., M.D., *Assistant in Physiology*
Frederick Steigmann, B.S., M.D., *Assistant in Medicine*
Irving Dana Thrasher,[1] B.S., M.D., *Assistant and First Junior Resident in Surgery*
Homer Vernon Wilburn, A.B., M.D., *Assistant in Medicine*
Henry A. Greenebaum, B.S., M.D., *Assistant in Medicine*
Milton William Eisenstein, B.S., M.D., *Assistant in Medicine*
Harold Mark Hoover, B.S., M.D., *Assistant in Medicine*
Clair Martin Carey, B.S., M.D., *Assistant in Obstetrics and Gynecology*
Robert Grantham Hickerson, B.S., M.D., *Assistant in Medicine*
John Patrick Mulcahy, B.S., M.D., *Assistant in Ophthalmology*
Eugene John Rooney, M.D., *Assistant in Medicine*
Milton Charles Schell, M.D., *Assistant in Medicine*
Karl William Schlegel,[2] M.S., M.D., *Assistant in Pathology*
Thaddeus Marion Koppa, M.D., *Assistant in Medicine*
Samuel Irwin Ditkowsky, B.S., M.D., *Assistant in Medicine*
Howard Jack LeVine, B.S., M.D., *Assistant in Medicine*
William Howard Newton, B.S., M.D., *Assistant in Medicine*
Edwin William Passarelli, B.S., M.D., *Assistant in Medicine*
Abraham Happy Rudolph, B.S., M.D., *Assistant in Medicine*
Edward Charles Bernell, M.S., M.D., *Assistant in Obstetrics and Gynecology*
Emanuel Aloysius Kominik, B.S., M.D., *Assistant in Pathology and Bacteriology*
Milton Mitchell Mosko, B.S., M.D., *Assistant in Medicine*
Horace Edward Turner, B.S., M.D., *Assistant in Medicine*
Howard Zeitlin, M.S., M.D., *Assistant in Neuropsychiatry*
Albert John Gloss, B.S., M.D., *Assistant in Medicine*
Benjamin Herzl Lerner, B.S., M.D., *Assistant in Medicine*

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[1] Resignation effective April 1, 1935.
[2] Deceased April 13, 1935.

FRED JOHN ROOS, *Assistant and Out-Patient Resident in Obstetrics and Gynecology*
PAUL HENRY HOLINGER, M.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
NOAH MEYER KOENIGSBURG, B.S., M.D., *Assistant in Obstetrics and Gynecology*
MRS. MARGARET EUGENIE MILLIKEN, M.S., *Assistant in Pathology, Bacteriology, and Public Health, and Hospital Serologist*
SAMUEL JULIAN NICHAMIN, A.B., M.D., *Assistant in Pediatrics*
MAHLON PHELPS PALMER, A.B., M.D., *Assistant in Laryngology, Rhinology, and Otology*
SAMUEL B. BRODER, A.B., M.D., *Assistant and Senior Resident in Neuropsychiatry*
HOWARD MATTHEW JACOBS, B.S., M.D., *Assistant in Pediatrics*
AARON B. KENDRICK, Ph.D., *Assistant in Medicine*
JOSEPH WILLIAM SQUIBB, M.D., *Assistant and Resident in Orthopaedic Surgery*
BRUNO BLUMKLOTZ, *Assistant in Laryngology, Rhinology, and Otology*
ZENON GEORGE CZAJA, A.B., M.D., *Assistant in Medicine*
MILLICENT LOUISE HATHAWAY, Ph.D., *Assistant in Physiology*
HERMAN ABRAHAM LEVY, B.S., M.D., *Assistant in Medicine*
MAX MALCOLM MONTGOMERY, B.S., M.D., *Assistant in Medicine*
HAROLD CARL STRUCK, Ph.D., *Assistant in Physiology*
STANISLAUS ANDREW SZUREK, M.S., M.D., *Assistant in Neuropsychiatry*
PHILIP THOREK, B.S., M.D., *Assistant in Anatomy*
LOUIS ROBERT LIMARZI, B.S., M.D., *Assistant in Medicine*
ALBERT NEHF, B.S., M.D., *Assistant in Anatomy*
JEREMIAH QUIN, B.S., M.D., *Assistant in Medicine*
HAZEL BLANK, R.N., *Assistant in Clinical Pathology*[1] *and Technician in the Hospital Laboratory*
ALICE CHILDS,[2] B.S., M.D., *Assistant in Medicine*
BEN WILLIAM LICHTENSTEIN,[1] B.S., M.D., *Assistant in Neuropsychiatry*
HERSHEL MEYER,[3] B.S., M.D., *Assistant in Medicine*
JOHN D. SINGER,[3] B.S., M.D., *Assistant in Medicine*
SAMUEL R. RUBERT,[4] B.S., M.D., *Assistant in Roentgenology*
EWIND WALTER DAHL,[5] B.S., *Assistant in Pathology and Bacteriology*
IRVING KAUFMAN,[5] M.S., M.D., *Assistant in Medicine*
LOUIS PHILIP MATTHEI,[5] B.S., M.D., *Assistant in Medicine*
THOMAS JOSEPH CONLEY,[6] B.S., M.D., *Assistant in Medicine*

Librarians

METTA MAY LOOMIS, *Librarian,* Retired
WILMA ALLENE TROXEL, A.M., *Librarian*
MARGARET MARY BATES, *Library Assistant*

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[1] Beginning January 15, 1935.
[2] Beginning December 1, 1934.
[3] Beginning November 15, 1934.
[4] Beginning February 1, 1935.
[5] Beginning March 15, 1935.
[6] Beginning April 20, 1935.

INDEX TO NAMES OF MEMBERS OF THE FACULTY

1934-35

Name	*Department*	*Rank*
Aaronson, A. L.	Medicine	Instructor
Abelson, S. M	Pediatrics	Assistant
Afremow, M. L.	Medicine	Instructor
Allen, Cornelia H	Criminology	Associate
Almquist, C. O.	Surgery	Instructor
Amtman, L. A.	Medicine	Instructor
Apple, Carl	Ophthalmology	Instructor
Aries, L. J.	Surgery	Instructor
Arnold, L.	Bacteriology	Professor
Bachem, A	Physiology	Professor
Bacon, A. R.	Obstetrics	Instructor
Baer, W. H.	Neuropsychiatry	Assistant
Baker, E. L.	Surgery	Instructor
Bamberger, A.	Surgery	Assistant Professor
Baratz, J. J.	Pediatrics	Assistant
Barrick, R. G.	Criminology	Assistant Professor
Bates, Margaret M.	Library	Assistant
Beach, S. C.	Pathology	Associate
Beard, H.	Ophthalmology	Associate Professor
Beaver, P. C.	Pathology	Instructor
Becker, I.	Medicine	Associate
Benedetto, J. M.	Medicine	Assistant
Bergeim, O.	Physiological Chemistry	Associate Professor
Bernell, E. C	Obstetrics	Assistant
Birch, Carroll L.	Medicine	Assistant Professor
Blank, Hazel	Pathology	Assistant
Blatt, M. L.	Pediatrics	Professor
Bloomfield, M	Obstetrics	Instructor
Blumklotz, B	Laryngology	Assistant
Boelio, L. N.	Anatomy	Instructor
Boikan, W. S.	Medicine, Pathology	Instructor
Bolotin, M. T.	Medicine	Associate
Bonin, Gerhardt von.	Anatomy	Assistant Professor
Bosselman, Beulah C	Neuropsychiatry	Instructor
Bower, L. E	Pediatrics	Assistant Professor
Brandon, R. H.	Criminology	Lecturer
Braude, B.	Surgery	Assistant
Bredlau, E. A.	Laryngology	Associate
Briggs, Frances A	Physiological Chemistry	Assistant
Broder, S. B	Neuropsychiatry	Assistant
Bronstein, I. P.	Pediatrics	Associate
Brooks, R.	Ophthalmology	Assistant
Brown, A. W	Criminology	Associate Professor
Brown, C. D.	Surgery	Assistant
Browne, W. H	Obstetrics	Assistant Professor
Brunner, R. N	Anaesthesia	Associate
Burling, F. T.	Criminology	Associate
Burrows, S. J.	Anatomy	Assistant
Busby, J. A. C.	Obstetrics	Instructor
Calvin, J. K.	Pediatrics	Assistant Professor
Camp, W. J. R.	Pharmacology	Associate Professor
Carey, C. M.	Obstetrics	Assistant
Caro, M. R.	Dermatology	Associate
Chamberlain, I. M	Pediatrics	Associate
Chauvet, F.	Medicine	Associate Professor
Childs, Alice	Medicine	Assistant
Cipriani, J. B.	Medicine	Assistant Professor
Clark, J. W.	Ophthalmology	Instructor
Cole, A. G.	Physiological Chemistry	Assistant Professor

Name	*Department*	*Rank*
Conley, T. J	Medicine	Assistant
Conway, Janet T.	Obstetrics	Assistant
Coombs, A. J.	Laryngology	Instructor
Coombs, R.	Surgery	Instructor
Cooper, A. R	Anatomy	Assistant Professor
Cornbleet, T.	Dermatology	Associate
Corrigan, Marion C.	Pathology	Instructor
Croutch, B. F.	Surgery	Associate
Crudim, Myrtle B.	Medicine	Instructor
Czaja, Z. G.	Medicine	Assistant
Dahl, W. E.	Pathology	Assistant
Dalitsch, W. W	Medicine	Associate
Davenport, G. L.	Surgery	Assistant Professor
Davis, D. J	Pathology	Dean and Professor
Davison, R. M.	Surgery	Instructor
DeLano, P. J	Surgery	Instructor
DeTarnowsky, G.	Surgery	Professor
DeTrana, G. E.	Medicine	Instructor
Deuss, H. O	Medicine	Assistant Professor
Diamond, I. B	Neuropsychiatry	Assistant Professor
Ditkowsky, S. I.	Medicine	Assistant
Dorman, H. P	Medicine	Assistant
Dorrell, Isabel C	Pathology	Assistant
Dreyer, I.	Medicine	Assistant
Dyas, F. G	Surgery	Professor
Dyniewicz, Josephine M	Pharmacology	Assistant
Eisenstein, M. W	Medicine	Assistant
Ewert, E. E	Surgery	Associate
Ewing, P. L	Pharmacology	Associate
Fabricant, N. D.	Laryngology	Instructor
Falls, F. H	Obstetrics	Professor
Fantus, B	Pharmacology	Professor
Feldman, L.	Medicine	Associate
Ferguson, H. F.*	Pathology	Assistant Professor
Findlay, E. K.	Ophthalmology	Professor
Fisch, M. E	Anatomy, Medicine	Instructor
Fischer, J. W.	Medicine	Instructor
Fischer, W. R.	Orthopaedics	Instructor
Fishman, L. Z.	Laryngology Anatomy	Instructor Assistant
Foley, E. F	Medicine	Assistant Professor
Folk, M. L	Ophthalmology	Assistant Professor
Ford, W. K.	Dermatology	Instructor
Fowler, F. H	Pathology	Instructor
Fox, N.	Laryngology	Associate
Freilich, E. B	Medicine	Associate Professor
French, T. M	Criminology	Associate
Gant, V. A	Pharmacology	Assistant
Gasul, B. M	Pediatrics	Associate
Gellhorn, E.	Physiology	Professor
Gernon, J. T.	Surgery	Assistant
Gillesby, W. J	Surgery	Assistant
Gitelson, M.	Criminology	Associate
Gloss, A. J	Medicine	Assistant
Goldberg, B	Medicine	Associate Professor
Goldberger, S. M.	Pediatrics	Associate
Goldwasser, M.	Medicine	Associate
Golub, H. W	Medicine	Instructor
Green, R.	Surgery	Instructor
Greenebaum, H. A	Medicine	Assistant
Greengard, J.	Pediatrics	Associate

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*Deceased January 16, 1935.

Name	*Department*	*Rank*
Grimmer, E. A.	Orthopaedics	Assistant
Grosz, E	Medicine	Instructor
Gulbrandsen, L. F.	Pathology	Instructor
Gunnar, H. P.	Medicine	Assistant Professor
Gurvey, J. A.	Medicine	Instructor
Gustafson, C. J	Bacteriology	Instructor
Guttman, M. R.	Laryngology	Instructor
Halper, P. A.	Laryngology	Associate
Halpern, L. J	Pediatrics	Instructor
Hammond, W. C.	Obstetrics	Assistant Professor
Hark, F. W.	Orthopaedics	Assistant Professor
Harned, J. W	Laryngology	Instructor
Hartung, A.	Roentgenology	Professor
Harvey, C. C	Physiological Chemistry	Assistant
Hassin, G. B.	Neuropsychiatry	Professor
Hathaway, Millicent L.	Physiology	Assistant
Hazlett, W. H	Surgery	Associate
Helfrich, L. S.	Pharmacology	Assistant
Herrold, R. D	Surgery	Assistant Professor
Hess, J. H.	Pediatrics	Professor
Hibbert, G. F.	Obstetrics	Instructor
Hick, F. K	Medicine	Instructor
Hickerson, R. G.	Medicine	Assistant
Higgins, J. A.	Pharmacology	Assistant
Hill, H. H	Obstetrics	Instructor
Hirsch, E. W	Surgery	Associate
Hoffman, S. J.	Pediatrics	Associate
Holinger, P. H	Laryngology	Assistant
Hollender, A. R.	Laryngology	Instructor
Hood, Marion	Medicine	Instructor
Hoover, H. M	Medicine	Assistant
Hoverson, E. T	Pathology	Instructor
Hull, T. G.	Pathology	Assistant Professor
Humiston, C. E.	Surgery	Professor
Ingraham, R. C.	Physiology	Assistant
Irish, H. E	Pediatrics	Professor
Jacobs, H. M.	Pediatrics	Assistant
Jaffè, R. H	Pathology	Professor
Jaffray, D. S.	Surgery	Assistant
Jenkins, R. L.	Criminology	Assistant Professor
Jirka, F. J.	Surgery	Assistant Professor
Joannides, M	Surgery	Associate
Johnson, C. A	Physiological Chemistry	Instructor
Johnson, N. G	Criminology	Associate
Jones, R. M	Medicine	Assistant
Jones, T. S.	Illustration	Assistant Professor
Joranson, Y	Anatomy	Assistant Professor
Joseph, L. D.	Surgery	Instructor
Kampmeier, O. F	Anatomy	Professor
Kane, A. C.*	Laryngology	Instructor
Kaplan, M. A.	Medicine	Assistant
Kaplan, S.	Obstetrics	Instructor
Kaufman, I.	Medicine	Assistant
Kaufman, S. I	Ophthalmology	Associate
Kearns, J. J	Pathology	Associate
Keeton, R. W.	Medicine	Professor
Kendrick, A. B	Medicine	Assistant
Kirshbaum, J. D	Medicine	Assistant
Klawans, H. L.	Laryngology	Assistant
Klein, R. I.	Pathology	Instructor
Klemptner, D.	Medicine	Associate

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*Deceased February 10, 1935.

Name	*Department*	*Rank*
Kleppe, Hedvig	Pathology	Assistant
Kobak, A. J	Obstetrics	Associate
Koenigsburg, N. M	Obstetrics	Assistant
Kominik, E. A	Pathology	Assistant
Koppa, T. M	Medicine	Assistant
Kordenat, R. A	Surgery	Assistant Professor
Koucky, J. D	Surgery	Assistant Professor
Kraines, S. H	Neuropsychiatry	Instructor
Kramp, E. H	Surgery	Assistant
Krasnow, H. R	Dermatology	Instructor
Kremer, R. J	Pathology	Assistant Professor
Krohn, L	Obstetrics	Instructor
Kronenberg, M. H	Medicine, Surgery	Associate
Kuhns, R. H	Neuropsychiatry	Instructor
Lackner, J. E	Obstetrics	Assistant Professor
Ladd, R. L	Pathology	Assistant Professor
Lambert, C. N	Orthopaedics	Associate
Lang, J. M	Obstetrics	Assistant Professor
Lash, A. F	Obstetrics	Assistant Professor
Law, P. M	Medicine	Assistant
Lebensart, Ruth	Neuropsychiatry	Assistant
Lederer, F. L	Laryngology	Professor
Leichenger, H	Pediatrics	Associate
Lerner, B. H	Medicine	Assistant
Levin, B. M	Pediatrics	Instructor
LeVine, H. J	Medicine	Assistant
Levinson, S. A	Pathology Medicine	Associate Professor Assistant Professor
Levinthal, D. H	Orthopaedics	Assistant Professor
Levy, H. A	Medicine	Assistant
Lewison, M	Medicine	Professor
Lichtenstein, B. W	Neuropsychiatry	Assistant
Lifvendahl, R. A	Obstetrics	Associate
Limarzi, L. R	Medicine	Assistant
Loomis, Metta M	Library	Librarian
Livingston, G. S	Laryngology	Associate
Low, A. A	Neuropsychiatry	Assistant Professor
Lowell, J. W	Ophthalmology	Instructor
Lusk, F. B	Medicine	Assistant Professor
Lyon, W. F	Surgery	Assistant Professor
McArthur, S. W	Surgery	Assistant Professor
McDaniels, H. E	Pathology	Instructor
McGuigan, H. A	Pharmacology	Professor
McKee, W. A	Criminology	Associate
McKenna, C. M	Surgery	Professor
McLaughlin, Jane R	Obstetrics	Instructor
McMillan, F. L	Surgery	Instructor
McMillan, J. C., Jr	Medicine	Instructor
MacFate, R. P	Physiological Chemistry	Instructor
Mackay, R. P	Neuropsychiatry	Associate Professor
Malcolm, R. B	Surgery	Assistant Professor
Mansowit, D	Pediatrics	Instructor
Marquardt, G. W	Surgery	Assistant
Marshall, A. G	Surgery	Instructor
Marshall, W. A	Orthopaedics	Associate
Martin, L. W	Obstetrics	Associate
Maryan, H. O	Obstetrics	Associate
Matthei, L. P	Medicine	Assistant
Melnick, P. J	Pathology	Associate
Meyer, H	Medicine	Assistant
Meyer, H. I	Surgery	Instructor
Meyer, J	Medicine	Associate Professor
Milles, G	Pathology	Assistant Professor

Name	*Department*	*Rank*
Milliken, Margaret E.	Pathology	Assistant
Millizen, J. E.	Administration	
Mishkin, H. L.	Surgery	Instructor
Montgomery, M. M.	Medicine	Assistant
Moon, G. R.	Administration	
Moore, E. S.	Medicine	Associate Professor
Mora, J. M.	Surgery	Assistant Professor
Morwitz, S. M.	Laryngology	Instructor
Mosko, M. M.	Medicine	Assistanr
Muehlberger, C. W.	Pharmacology	Lecturer
Mulcahy, J. P.	Ophthalmology	Assistant
Mullen, T. F.	Orthopaedics	Instructor
Murphy, F. G.	Orthopaedics	Assistant Professot
Murphy, G. T.	Surgery	Instructor
Murray, W. G.	Criminology	Lecturer
Nadeau, O. E.	Surgery	Associate Professor
Nedzel, A. J.	Pathology	Associate Professor
Nehf, A.	Anatomy	Assistant
Neiman, B. H.	Pathology	Associate
Nelson, T.	Medicine	Associate
Newberger, C.	Obstetrics	Assistant Professor
Newton, W. H.	Medicine	Assistant
Nichamin, S. J.	Pediatrics	Assistant
Northup, D. W.	Physiology	Assistant
O'Conor, V. J.	Surgery	Associate Professor
Oden, R. J. E.	Surgery	Associate
Oldberg, E.	Surgery	Associate Professor
Olkon, D. M.	Neuropsychiatry	Assistant Professor
Ostrom, M. L. H.	Laryngology	Assistant
Pace, E. R.	Dermatology	Instructor
Padnos, E.	Pediatrics	Assistant
Palmer, M. P.	Laryngology	Assistant
Parker, M. L.	Surgery	Assistant
Paskind, J.	Neuropsychiatry	Assistant
Passarelli, E. W.	Medicine	Assistant
Pauker, N.	Pediatrics	Instructor
Pearlman, B.	Medicine	Instructor
Peluse, S.	Medicine	Instructor
Percy, G. L., Jr.	Surgery	Instructor
Percy, N. M.	Surgery	Professor
Perlstein, Minnie O.	Dermatology	Associate
Perlstein, S.	Medicine	Associate Professor
Peters, H. C.	Physiology	Assistant
Petersen, W. F.	Pathology	Professor
Phifer, C. H.	Surgery	Professor
Piette, E. C.	Pathology	Assistant Professor
Pilka, H. J.	Anatomy	Assistant
Pilot, I.	Medicine, Pathology	Associate Professor
Platin, J. W.	Surgery	Instructor
Poncher, H. G.	Pediatrics	Assistant Professor
Pontius, G. V.	Surgery	Instructor
Portis, B.	Surgery	Associate
Post, G. W., Jr.	Surgery	Associate Professor
Propst, D. W.	Medicine	Assistant Professor
Puestow, C. B.	Surgery	Assistant Professor
Quin, J.	Medicine	Assistant
Rabens, I. A.	Medicine	Assistant Professor
Ragins, A. B.	Pathology	Instructor
Ragins, O. B.	Medicine	Instructor
Rappaport, B. Z.	Medicine	Associate
Rattner, H.	Dermatology	Associate
Reagan, F. P.	Anatomy	Associate Professor

Name	*Department*	*Rank*
Reed, C. I.	Physiology	Assistant Professor
Reynolds, J. T.	Anatomy	Assistant
Rezek, G. H.	Obstetrics	Assistant
Reznick, B. Z.	Ophthalmology	Assistant
Rheingold, J. C	Neuropsychiatry	Instructor
Rind, Rudla B	Medicine	Assistant
Riser, R. O.	Ophthalmology	Instructor
Ritch, C. O.	Surgery	Instructor
Robins, L. S.	Pediatrics	Associate
Rooney, E. J	Medicine	Assistant
Roos, F. J.	Obstetrics	Assistant
Rose, M. J	Obstetrics	Instructor
Rosenblum, P.	Pediatrics	Assistant Professor
Rosenthal, S. R.	Pathology	Instructor
Ross, H. M.	Orthopaedics	Instructor
Ross, P. W	Surgery	Instructor
Rubert, S. R.	Roentgenology	Assistant
Rudolph, A. H	Medicine	Assistant
Saltiel, T. P.	Pediatrics	Associate
Saphir, O.	Pathology	Associate Professor
Sarma, P. J.	Surgery	Assistant Professor
Sawyer, A. L	Medicine	Assistant Professor
Schacht, F. W	Surgery	Assistant
Schell, M. C.	Medicine	Assistant
Schlegel, K. W.*	Pathology	Assistant
Schneider, M	Pediatrics	Assistant
Schneider, P. F	Obstetrics	Instructor
Schorr, H. C.	Dermatology	Instructor
Schroeder, P. L	Criminology	Professor
Schultz, L. W.	Surgery	Associate
Scott, R. A.	Obstetrics	Associate
Scuderi, C. S.	Surgery	Associate
Seed, L.	Surgery	Assistant Professor
Seifert, M. H	Anatomy	Assistant
Senear, F. E.	Dermatology	Professor
Shapiro, L. B	Neuropsychiatry	Assistant
Shapiro, S. L	Laryngology	Associate
Shellow, H.	Dermatology	Assistant
Sherman, Irene C	Neuropsychiatry	Instructor
Siegal, H. A	Medicine	Assistant
Simer, P. H	Anatomy	Associate
Simon, D. C.	Medicine	Assistant
Simons, J	Anatomy	Instructor
Singer, H. A.	Medicine	Associate Professor
Singer, H. D.	Neuropsychiatry	Professor
Singer, J. D.	Medicine	Assistant
Smith, C. O	Obstetrics	Instructor
Smith, H. J.	Ophthalmology	Assistant Professor
Smith, P. W.	Physiology	Instructor
Solomon, A. P	Neuropsychiatry	Assistant Professor
Soloway, S. S.	Medicine	Associate
Spiesman, I. G.	Laryngology	Instructor
Squibb, J. W	Orthopaedics	Assistant
Steck, I. E.	Physiology	Assistant
Steigmann, F	Medicine	Assistant
Stein, E. J.	Anatomy, Surgery	Instructor
Stephens, V. R.	Surgery	Associate
Stone, F. L.	Obstetrics	Assistant Professor
Strauss, S.	Medicine	Professor
Streicher, M. H	Medicine	Assistant Professor
Struck, H. C.	Physiology	Assistant

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*Deceased April 13, 1935.

Name	*Department*	*Rank*
Stuart, C. W	Pathology	Instructor
Suldane, J. A	Pediatrics	Instructor
Summerville, M. J	Obstetrics	Instructor
Swanson, E. E	Anatomy	Assistant
Szurek, S. A	Neuropsychiatry	Assistant
Takats, G. de	Surgery	Assistant Professor
Theobald, J. J	Laryngology	Assistant Professor
Theobald, W. H	Laryngology	Assistant Professor
Thomas, H. B	Orthopaedics	Professor
Thorek, P	Anatomy	Assistant
Thrasher, I. D	Surgery	Assistant
Tigay, Clara D	Pediatrics	Assistant
Troxel, Wilma A	Library	Librarian
Turner, H. E	Medicine	Assistant
Vacin, M. E	Anatomy	Assistant
VanAlyea, O. E	Laryngology	Instructor
VanderKloot, A	Medicine	Assistant Professor
Van Hazel, W	Surgery	Associate
Visscher, M. B	Physiology	Professor
Wachowski, T. J	Roentgenology	Assistant
Wadsworth, H. V	Laryngology	Assistant
Wallace, H. C	Surgery	Associate
Webb, R. L	Anatomy	Assistant Professor
Weinfeld, G. F	Pediatrics	Associate
Weiss, E	Pathology	Instructor
Welker, W. H	Physiological Chemistry	Professor
Wernicke, H. O	Surgery	Instructor
White, Adeline R	Anatomy	Assistant
Wien, M. S	Dermatology	Associate Professor
Wilburn, H. V	Medicine	Assistant
Willis, D. A	Surgery	Instructor
Wilson, F. S	Medicine	Assistant Professor
Wolff, J. R	Obstetrics	Assistant
Woodward, Helen	Pediatrics	Assistant
Worthington, M. H	Criminology	Lecturer
Yarros, Rachelle S	Criminology	Professor
Zechel, G. L	Anatomy, Surgery	Associate
Zeitlin, H	Neuropsychiatry	Assistant
Zimmermann, A. A	Anatomy	Associate Professor

THE COLLEGE OF MEDICINE

History

The College of Medicine opened its doors on October 14, 1881, as a proprietary medical school known as "The College of Physicians and Surgeons of Chicago." It first became affiliated with the University of Illinois in 1897, the name was officially changed in 1900 to "The College of Medicine of the University of Illinois," and in 1913 all of the property and the entire issue of stock of the old institution were transferred to the University. The building first occupied, at the corner of Harrison and Honore Streets, is used at the present time by the College of Dentistry.

Buildings

The first unit of the Medical and Dental Laboratory Building, facing on Polk and Lincoln Streets, and connecting directly with the Research and Library Building on the north end and with the Research and Educational Hospital on the south, has been in operation since October, 1931. The Library consists of two large reading rooms with more than 44,000 volumes and an extensive list of medical periodicals. Desk space is provided for persons interested in research. In addition to the large laboratories for class work, there are numerous small laboratories designed for individual research projects.

The Department of Public Welfare of the State of Illinois has constructed an extensive group of hospitals and laboratories adjoining the buildings of the University and has made a cooperative agreement by which additional facilities for teaching and investigation are offered to the faculty of the College of Medicine. The units now in operation include the Research and Educational Hospital, the Out-Patient Dispensary, the Orthopaedic Institute, the Psychiatric Institute, and the Institute for Juvenile Research.

The Research and Educational Hospital, with provision for 400 beds, connects directly with the classrooms and laboratories, and has been designed for teaching and investigation. The Out-Patient Dispensary, which occupies the main floor of this hospital, possesses adequate and comfortable waiting rooms, suitable suites for all divisions of clinical work, a large amphitheatre, electrocardiographic and hydrotherapeutic units, and rooms for preparing and dispensing drugs. The Dispensary is divided into twelve departments: medicine, surgery, genito-urinary surgery, obstetrics, gynecology, pediatrics, orthopaedics, otolaryngology, dermatology, ophthalmology, neurology, and roentgenology. At present the number of treatments is limited to about 100,000 per year.

Active teaching is also being conducted at the present time in the following hospitals: the Cook County Hospital, the Illinois Charitable Eye and Ear Infirmary, the Municipal Contagious Hospital, the Augustana Hospital, and the St. Luke's Hospital.

Admission

Applications for admission must be made to the Examiner of the College of Medicine in Chicago. Credentials covering all college and high school work must be sent directly to the Examiner from each institution attended. No student who is on scholastic probation at, or who has been dropped from, the last institution attended prior to seeking admission will be considered. The number of first-year students is restricted by space limitations.

For admission to the College of Medicine, candidates must present satisfactory evidence of six years of work,[1] as follows:

1. Four years of accredited high school work or the equivalent, comprising not less than 15 units in acceptable subjects prescribed as follows:

English	3 units[2]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives (Trigonometry is advised)	7 units
Total	15 units

2. Two years of work in a recognized college or university, comprising not less than 60 semester hours, exclusive of military, hygiene, and physical education. Each applicant, whether from the University of Illinois, or from other institutions of recognized standing, must have attained in all college courses a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (see note 1). In determining the scholastic average, grades received in military science, physical education, and hygiene will not be considered. The work must include prescribed and elective subjects as follows:

Chemistry (including organic chemistry, 4 semester hours)	12 semester hours[3]
Physics (at least 2 hours of laboratory work)	8 semester hours
Zoology (at least 4 hours of laboratory work, see note 2)	8 semester hours
English	6 semester hours
German, French (see note 3)	6 semester hours
Electives outside of the chemical, physical, and biological sciences (see note 4)	6 semester hours
Free electives (see note 4)	14 semester hours
Total	60 semester hours

Note 1: Grades.—This rule is interpreted according to the number of passing grades. In a system of four passing grades, A, B, C, and D, the literal grades are translated into figures as follows: A = 5; B = 4; C = 3; D = 2; E (condition) = 1; F (failure) = 0. Where there are more or less than four passing grades, the computation is adjusted to make the same level of accomplishment apply. The individual grades are multiplied by the respective number of semester hours which each represents, and the sum of these products is

divided by the total number of semester hours taken. In the case of courses previously passed and repeated, both grades earned will be counted in computing the average.

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[1] These are the minimum requirements for admission to the College of Medicine. For a broader foundation attention is called to the work indicated on page 28 under "Courses Offered at Urbana."

[2] By a *unit* is meant a year's work in a single subject, it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week and that double time shall be given in subjects like drawing, manual training, and bookkeeping, in which little or no outside study is required. Since high school students ordinarily take four subjects at a time throughout the four years of the high school course, 15 units represent approximately four years of high school work.

[3] By a *semester hour* is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

Note 2: Zoology.—This must include a laboratory course in general zoology and one in vertebrate zoology. Botany is no longer accepted as meeting any part of the requirement.

Note 3: German, French.—The student is urged to secure a reading knowledge in one of these languages. This will ordinarily require at least 6 hours of work in the same language in college after two years in high school, or two full years of work (in a class reciting at least three periods a week) in college if the language was not begun in high school.

Note 4: Electives.—Psychology should be the first elective and Mathematics the second elective. Other electives may be chosen from the following: Botany, Chemistry (physical chemistry and quantitative analysis), Drawing, Economics, English, Greek, History, Latin, Logic, Political Science, Sociology, Zoology.

No Conditions Permitted.—The requirements as listed above must be met in full before admission will be granted. No deficiencies are permitted.

Health Certificate.—Each applicant for admission, before he will be permitted to register, must present a certificate from his family physician indicating (a) good physical condition, (b) freedom from respiratory and dental infections, (c) successful vaccination against smallpox, and (d) Schick and Dick reactions. If a student is unable to show negative Schick and Dick reactions, he must report to the University Health Officer for immunization before registration for the second year.

Physical examinations during the first year are compulsory, and every effort is made by the Health Service of the College of Medicine to assist each student in solving his own health problems throughout his course.

Renewing Applications.—An applicant who has been granted admission to the College of Medicine but fails to enroll, and who wishes to enter in a subsequent year, must re-apply for admission and must meet all the requirements in force at the time of such new application.

Students Registered in the Medical Curriculum.—The seven-year medical curriculum offered by the University of Illinois consists of two years of pre-professional work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (for these four years a B.S. degree may be given), two years of clinical work in the College of Medicine in Chicago (for the four years in the College of Medicine the student at his option may receive the degree of Bachelor of Medicine), and one year as an interne in a hospital approved by the University. The registration of students at Urbana who have completed the requirements of the first two years of the medical curriculum (the pre-professional work) is continued in the College of Medicine. Students admitted to the pre-professional curriculum at Urbana who have taken any college work elsewhere will be considered on the same basis as students from other institutions. Registration of students entitled to continue in the College of Medicine is subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar, on a form provided by the Registrar, not later than March 1 of the year in which he proposes to continue his work in the College of Medicine in Chicago.

2. The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of a deposit of $15.00 within two weeks of the date of notification that he will be admitted. Failure to pay this deposit within the specified time will subject the applicant to forfeiture of his place. If he enters, the deposit will be applied on the fees of the first semester.

3. No student who is on probation in the University (or who has been dropped from the University for poor scholarship) at the time he seeks to continue his University registration in the College of Medicine, has any claim to precedence in registration over students who come with clear records from the University of Illinois or other institutions.

4. No student at Urbana will be permitted to transfer his registration to the College of Medicine while his record shows a deficiency in any of the subjects which, as general requirements of the University, are a part of his curriculum.

5. The registration of non-residents of Illinois can be continued in the College of Medicine only provided there is room after all properly qualified residents of the state have been accommodated.

Students Who Have Completed Their Pre-Medical Work at Institutions Other Than the University of Illinois.—The order of admission to the College of Medicine of students who have completed their pre-medical work at institutions other than the University of Illinois shall be based upon their scholastic records; provided that the minimum scholastic average in all cases shall be equivalent to a 3.5 average in the University's grading system as now required. The scholastic records of all such applicants shall be averaged on or about July 1, and the first-year class shall be filled by assigning to it applicants in the order of their scholastic standing, beginning with the highest ranking applicant; vacancies which may occur after all places in the class have been assigned may be filled from the remaining applicants in the order of their scholastic standing.

Preference to Illinois Residents.—In considering applications for admission, preference will be given to candidates who are residents of Illinois. Places in the first-year class shall be assigned to applicants from Cook County and to applicants from Illinois outside of Cook County in the proportion which each area bears to the total population of the state according to the latest federal census; provided that if at any time the quota from either area is not filled the remaining places may be assigned to applicants from the other area. On this basis at the present time approximately fifty per cent of the places in the first-year class will be assigned to applicants from Cook County and fifty per cent to applicants who are residents of Illinois outside of Cook County.

Courses Offered at Urbana

While the minimum requirements for admission prescribe two years of liberal arts and science work, it is to the advantage of the student to present more than this amount of pre-medical work. Attention is called to the fact that the University at Urbana offers the following choice of courses:

1. A nine-year course—four years in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age at graduation from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.

Advanced Standing

Because of the limitations of space, the membership of each class is strictly limited. Applications for admission with advanced standing to any class will not be considered until vacancies are certain to occur. In case there are vacancies to be filled preference will be given to those applicants who are residents of Illinois and who present the strongest records.

In general, the administration cannot determine definitely whether there will be vacancies, or the number of vacancies, until the day of registration.

No student who is on probation at, or who has been dropped for any reason from, a college of medicine will be considered for admission.

Requirements for Graduation

For the Bachelor of Science Degree.—A student must have secured passing grades in all of the courses of the first two years in the College of Medicine and have passed the comprehensive examinations required at the end of the second year.

For the Certificate in Medicine or the Bachelor of Medicine Degree.—Upon the completion of four years in attendance at an approved medical school, of which at least the last year must have been at the University of Illinois, the completion of the prescribed curriculum, and the passing of the comprehensive examinations required at the end of the fourth year, the student is awarded a "Certificate in Medicine," or if he wishes to pay the additional fee of $10.00, he may elect to take the degree of "Bachelor of Medicine."

For the Doctor of Medicine Degree.—To receive the degree of Doctor of Medicine, the student after having qualified for the Certificate in Medicine (see preceding statement) must complete satisfactorily a course of not less than twelve months duration in a hospital approved by the University of Illinois, or a year of research work acceptable to the University. He must also have shown evidence of good moral character and have paid all indebtedness to the University.

Graduation with Honors.—A student who complies with the requirements for graduation and who attains in all work presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: For an average grade of not less than 87%, Graduation with Honors; for an average grade of not less than 90%, Graduation with High Honors. The honors conferred shall be noted upon the diploma and the commencement program.

General Plan of Instruction

The course of instruction leading to the degree of Doctor of Medicine covers a period of five years, four in the College of Medicine and the fifth in interne service in an approved hospital, or a year of research work acceptable to the University.[1]

During the first two years the work is confined mainly to the fundamental sciences, and the time of the student is largely devoted to laboratory work. During the first year this consists of work in anatomy, histology, embryology, neurology, chemistry, and physiology. During the second year the study of physiology is continued, and in addition the student takes up bacteriology, pathology, laboratory diagnosis, pharmacology, physical diagnosis, medicine, surgery, obstetrics, and hygiene.

During the third and fourth years the time is devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics. In the dispensary the student examines the cases personally under the guidance of instructors. He is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has opportunity to follow these and to learn the technique involved.

Examinations are held at the close of each semester. Those at the end of the second and fourth years may be of a comprehensive nature and may be either written or oral.

In the fourth year clinical clerkships are established to be operated at one time for one-fourth of the class and for a period of two months. Each one-fourth of the class is further divided into four sections, one section being assigned to Medicine, one to Surgery, one to Obstetrics, and one to service in outside hospitals. The students on service in outside hospitals are excused from attendance on all lectures and clinics but are held responsible for the subject matter of the courses from which they have been excused.

In the third year the student must elect two hours per week in each semester. In the fourth year five and one-half hours per week of elective work must be taken from the elective subjects, and at least one hour of these electives must be selected from the subjects in surgery. This elective work of the third and fourth years may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular subject or subjects. The elective work may be counted for graduate credit provided the student registers in a course recognized for graduate credit by the graduate faculty and can satisfy the head of the department concerned as to his ability to pursue the work he proposes to undertake.

The fifth year consists of twelve months of interne service in a hospital approved by the University. During the fourth year the students apply to the hospitals in which they wish to interne and, if successful, sign contracts for the service desired. The list of fifth-year students with the hospitals in which they are serving is given on page 64. Research work may be substituted for the hospital work of the fifth year.

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[1] See Medical Practice Act of the State of Illinois. Senate Bill No. 439, Approved June 30, 1923, Section 5 (b).

Students are prohibited from doing work that interferes in any way with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official requirements of the curriculum.

Fees[1] and Expenses

	FIRST YEAR		SECOND YEAR*		THIRD YEAR		FOURTH YEAR*	
	Ill.	*Non-Ill.*	*Ill.*	*Non-Ill.*	*Ill.*	*Non-Ill.*	*Ill.*	*Non-Ill.*
Matriculation (paid but once)	$ 10.00	$ 10.00	$......	$......	$......	$......	$......	$......
Tuition	119.00	219.00	105.50	205.50	70.00	170.00	70.00	170.00
Laboratory	81.00	81.00	94.50	94.50	130.00	130.00	130.00	130.00
Total	$210.00	$310.00	$200.00	$300.00	$200.00	$300.00	$200.00	$300.00

Late Registration Fee.—Former students who enter after the registration days pay a late registration fee of.................................. $ 5.00

Special Examination Fee.—For any special examination a fee of...... 5.00

Change Fee.—For every change of study-list made later than the Saturday noon following registration, a fee of $1.00 is charged, except that the total charge for the rearrangement authorized on any one change-slip shall not exceed.................................. 2.00

(The above ruling applies to registration for electives after the dates specified for regular registration.)

Graduation Fee.—For each degree conferred by the University, a student is required to pay a graduation fee of.................... 10.00

Transcript Fee.—Each student who has paid all his University fees is entitled to receive, without charge, one transcript of his record. For additional transcripts, charges are made as follows:

For each original, or first, copy.......................... 1.00

For each carbon copy.................................... .50

County Hospital Ticket.—Compulsory for third-year and fourth-year students 5.00

Obstetrical Out-Patient Clerkship Service Fee.—Required of all fourth-year students.. 15.00

Listener's or Visitor's Fees.—For each twenty-five clock hours, or fraction thereof, residents of Illinois............................ 10.00

Non-residents of Illinois................................... 20.00

Special Fees.—A special fee per semester for the material of each of the special courses in dissection (Anatomy 60 and Otolaryngology 80). (This may be shared by not more than two students.)......... 100.00

Unclassified Students.—Fees charged unclassified students are based on the amount of work taken.

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[1] The Trustees reserve the right to change the fees at any time through publication in the annual announcement. Laboratory fees are subject to adjustment from year to year.

*Graduation fee of $10.00 is required, payable at the end of the second year by students receiving the B.S. degree, and at the end of the fourth year by students receiving the Certificate in Medicine. Payment for the latter covers the M.D. graduation fee. Students receiving the B.M. degree pay, at the end of the fourth year, two graduation fees of $10.00 each, one for the B.M. degree and one for the M.D. degree.

Payment of Deferred Fees.—In cases of necessity, students may arrange for deferment of fees by calling at the Business Office, Room 110, Medical and Dental College Laboratories Building.

A service charge of ten per cent of the amount of fees deferred, but not to exceed $5.00, will be charged for the privilege of deferring fees, and this charge *must be paid on Registration Day.* If the fees are paid in full within ten days from the date of registration, the service charge will be credited as a part-payment of fees. Otherwise, the service charge is not refundable under any circumstances. The matriculation fee of $10.00 (if not previously paid), not less than twenty-five per cent of the current semester fees, and other fees and outstanding charges, must be paid on Registration Day.

Failure to meet payments of fees within the time limits will cancel at once the privilege of attending classes.

Registration is not completed until fees are paid in full, and no credit will be recorded for class work completed unless all fees and all other charges have been paid in full. Deferred payment of fees delays the completion of registration but extends the privilege of attending classes pending payment of fees in full as described above.

Deposit.—An applicant for admission to the College of Medicine who is assigned a place in any class, is required to make a deposit of $15.00 within two weeks of the date of notification that he will be admitted. This deposit will be applied on fees, including laboratory fees, assessed against him during the first semester. Failure to pay this deposit within the specified time will subject the applicant to the forfeiture of his place. No deposit will be returned unless the applicant notifies the College of Medicine not later than September 1 that he will not be able to enter. The Registrar is authorized to make refunds after September 1 when, in his judgment, the circumstances so justify.

No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of the month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees will be refunded.

Alumni are admitted to all regular undergraduate courses, without charges, except in laboratory work, in which a charge is made for material actually used.

The expenses of living in Chicago are less than in most large cities. From forty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of textbooks. Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

A ten-story Y.M.C.A. building located three blocks from the College affords a comfortable home for students.

Scholarships and Loan Funds

Rea Scholarships.—Through the generosity of the late Professor R. L. Rea, four scholarships each year, awarded by the officers of the Faculty, are provided for worthy students. For the session of 1934-35, these scholarships were granted to the following students:

ALBERT KWEDAR	MILTON TINSLEY
DANELY SLAUGHTER	MORRIS WAISMAN

Note.—Students holding the following undergraduate scholarships are exempt from matriculation and tuition fees, but are required to pay all laboratory and dispensary fees:

General Assembly Scholarships.—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships.—For World War Veterans. Special provisions passed by the General Assembly in 1919.

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

Loan Funds.—A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. For more detailed information, apply to the Business Office of the College of Medicine.

Lectureships

In commemoration of members of the alumni, faculty, and student body who lost their lives during the World War, the alumni, faculty, and students have raised a fund sufficient to establish a Memorial Lectureship. One lecture is delivered annually by a prominent educator on a subject of general medical interest.

In accordance with the will of Mrs. Albertina Gehrmann, widow of the late Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a Lectureship in the College of Medicine of the University of Illinois, in memory of Dr. Gehrmann. The tenth series of these lectures was delivered by Dr. W. W. Cort of Johns Hopkins University.

In 1927 Dr. Charles S. Bacon, on reaching the retiring age, was made Professor of Obstetrics, *Emeritus*. On this occasion the members of the faculty and friends of Dr. Bacon contributed the sum of $5,000 to found the Charles S. Bacon Lectureship in Obstetrics. The income from this amount is used to defray the expenses of a lecture given each year at the College of Medicine. The fifth series of these lectures was delivered in 1935, by Dr. Ludwig Fraenkel, Professor and Head of the Department of Gynecology and Obstetrics of the University of Breslau.

The Chicago Tuberculosis Institute has granted to the College $2,500 a year for a period of five years to establish a Theodode B. Sachs Residency in the field of tuberculosis and allied diseases. During the 1932-33 session this was occupied by Professor E. Görter, Chief of the Department of Pediatrics, University of Leyden, Holland; Dr. R. H. Jaffè, Director of the Pathologic Institute, Cook County Hospital; and Dr. Lawrason Brown, of the Trudeau Sanitarium, Saranac Lake, New York.

Clinical conferences, medico-historical lectures, and the meetings of the Research Club occupy the 1-2 o'clock hour each Wednesday of the school year.

Prizes

Dr. Frank Smithies of Chicago has endowed an annual prize of $100 in memory of William Beaumont, the famous surgeon of the nineteenth century who made valuable contributions to the knowledge of the digestive system. The prize is awarded to the student or faculty member of the College of Medicine who submits the best original work in the study of diseases of the alimentary tract; it is administered by a committee appointed by the Dean of the College of Medicine. The eighth award was made on June 8, 1934, to Raymond Ingraham, Ph.D.

COURSES OFFERED IN THE COLLEGE OF MEDICINE

Note: The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise stated, the Arabic numerals following the description of courses indicate the number of one-hour periods per week. The Roman numerals *I* and *II* indicate the semester in which the course is given.

ANATOMY

Professor: Kampmeier[1] (Head of the Department).
Associate Professors: Reagan, Zimmermann.
Assistant Professors: Cooper, von Bonin, Joranson, Webb.
Associates: Zechel, Simer.
Instructors: Stein, Boelio, Fisch, Simons.[2]
Assistants: Burrows,[2] Pilka, White, Vacin, Fishman, Seifert, Swanson, Reynolds, Thorek, Nehf.
Cooperating: Assistant Professor Jones.

Required Course—First Year

1-4. *Human Anatomy.*—To insure greater correlation and unity in presentation, the following major divisions, formerly separate and independent courses, are merged into a single course extending continuously throughout both semesters. Credit toward graduation not allowed for either semester separately. The total time, 576 hours, is apportioned approximately as follows: Histology, 144 hours; Embryology, 72 hours; Regional and Systemic Anatomy, 288 hours; Neurology, 72 hours. Lectures and demonstrations occupy 6 hours, and laboratory, 12 hours, each week. Professor Kampmeier, Associate Professors Reagan, Zimmermann; Assistant Professors Cooper, von Bonin, Webb; Dr. Zechel, Dr. Simer, instructors, and assistants.

Required Course—Third Year

6. *Topographical Anatomy.*—Topography and relations of the various regions, systems and organs of the body; correlation of subject matter with clinical conditions and procedure. *I.* (4.) Dr. Zechel and assistants.

Elective Courses

51. *Microscopical Technic.*—Preparation of objects; injecting bloodvessels and lymphatics; maceration, digestion and corrosion, decalcification; fixation of tissues, embedding, sectioning, staining, mounting, etc. 1 two-hour period. *I and II.* Limited. Dr. Boelio.

52. *Medical Illustrating.*—Drawing, including perspective values and their adaptation to the representation of medical subjects; media adapted for representing certain conditions and structures, and for special methods of reproduction. 2 two-hour periods. *I.* Limited to four. Assistant Professor Jones.

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[1] On leave of absence for six months beginning December 1, 1934.
[2] First semester.

53. *Fetal Anatomy.*—Dissection, with consideration of problems of development, and physiology. 2 two-hour periods. *I or II.* Limited. Associate Professor ZIMMERMANN.

54. *Medical Statistics.*—Biometry, based on the principles of the calculus of probability, and its application to problems of morphology, medicine, and the statistics of population. *I or II.* (2.) Assistant Professor VON BONIN.

55. *Preparations for Anatomical Museum.*—The creation of special dissections, reconstructions, models and demonstration specimens for the anatomical teaching collection requiring skill, ingenuity, neatness and accuracy in execution. 2 two-hour periods. *I and II.* Limited to two or three qualified students. Professor KAMPMEIER and other members of staff.

56. *Physical Anthropology.*—Phylogeny of human races, anthropometry of living and skeletal material; anthropogeography, racial physiology and pathology; growth of populations and racial distributions of modern man; social anthropology, racial psychology and eugenics. *I.* (2.) Assistant Professor VON BONIN.

Seminar.—Critical reviews of recent anatomical literature, preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Research.—Opportunity is given physicians and qualified students to do investigative work. A reading knowledge of French and German is essential.

Courses For Graduate Students

101. *Morphology, Experimental Morphology, and Functional Anatomy.—One to three units.* Professor KAMPMEIER, Associate Professor REAGAN, Assistant Professor VON BONIN.

103. *Individual Research.*—In Embryology, Cytology and Histology, Neurology, Anthropology and Biometrics, Experimental Morphology, Functional and Applied Anatomy. *One or three units.* Professor KAMPMEIER, Associate Professor REAGAN, Assistant Professor VON BONIN.

105. *Advanced Anatomy.—One or two units.* Professor KAMPMEIER, Associate Professor REAGAN, Assistant Professor VON BONIN.

For Physicians' Course see page 53.

CRIMINOLOGY, SOCIAL HYGIENE, AND MEDICAL JURISPRUDENCE

Professors: SCHROEDER (Head of the Department), YARROS.
Associate Professors: BROWN, MOHR.[1]
Assistant Professors: BARRICK, JENKINS.
Associates: MCKEE, BURLING, JOHNSON, GITELSON, ALLEN, FRENCH.
Lecturers: BROTHERS (Emeritus), MURRAY, WORTHINGTON, BRANDON.

Required Course—Third Year

5. *Criminology and Behavior Problems.*—Principles of criminology and social hygiene as applied to medicine; venereal problems. *II.* (1.) Professor SCHROEDER.

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[1] Beginning March 15, 1935.

Required Courses—Fourth Year

6. *Medical Jurisprudence.—(Eight weeks.) II.* (1.) Mr. Johnson.
7. *Medical Sociology.—(Eight weeks.) II.* (1.) Professor Yarros.

Elective Courses—Fourth Year

56. *Mental Hygiene.*—Mental hygiene in infancy and childhood. *(Eight weeks.) II.* (1.) Professor Schroeder, Dr. French.
57. *Mental Hygiene.*—Mental hygiene of adolescence. Educational counsel and vocational guidance. *(Eight weeks.) II.* (1.) Dr. Gitelson.
58. *Clinical Administration of Behavior Problems.*—Probation treatment and parole. *I.* (1.) Assistant Professor Barrick, Dr. McKee.
59. *Criminal Identification.*—Application of physical structure and functions in identification of criminals.
60. *Hospital Organization and Administration.—(Eight weeks.) I.* (1.) Dr. Worthington.
61. *Introduction to Public Welfare Administration.—(Eight weeks.) I.* (1.)
62. *Psychogenetic Study of Behavior Problems.*—An introduction to the significance of the life history of the individual in the genesis of behavior problems. *II.* (1.) Dr. French.

Courses for Graduate Students

101. *Research in Juvenile Behavior.—One to three units.* Professor Schroeder.
102. *Advanced Work in Juvenile Behavior.—One to three units.* Professor Schroeder.
103. *Special Abilities and Disabilities.—One or two units.* Associate Professor Brown.
104. *Psychological Tests.—One or two units.* Associate Professor Brown.
105. *Psychology of Behavior Problems.—One or two units.* Associate Professor Brown.

For Physicians' Courses see page 53.

DERMATOLOGY

Professor: Senear (Head of the Department), Pusey (Emeritus).
Associate Professor: Wien.
Associates: Cornbleet, Caro, Rattner, Perlstein.
Instructors: Krasnow, Pace, Schorr, Ford.
Assistant: Shellow.
Cooperating: Professor Bachem.

Required Course—Third Year

1. *Practice.*—Lectures. Continuous through *I and II.* (1.) Professor Senear, Associate Professor Wien.

Required Courses—Fourth Year

2. *Clinic.*—Continuous through *I and II.* (1.) Professor Senear, Associate Professor Wien.

9. *Clinic.*—Dispensary, including instruction in roentgenology. 3 one-hour periods. (*Four weeks.*) *I and II.* (1.) Professors SENEAR, BACHEM; Associate Professor WIEN, Dr. CORNBLEET, Dr. RATTNER, Dr. PACE, Dr. CARO, Dr. PERLSTEIN.

Elective Courses—Fourth Year

50. *Syphilis.*—Diagnostic and therapeutic methods employed. (*Eight weeks.*) *I and II.* (1.) Professor SENEAR, Associate Professor WIEN, Dr. CORNBLEET.

51. *Dermatology.*—Special diagnostic and therapeutic methods. (*Eight weeks.*) *I and II.* (1.) Professor SENEAR, Associate Professor WIEN, Dr. CORNBLEET.

Courses for Graduate Students

101. *Research in Dermatology.—One to three units.* Professor SENEAR.

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

Professors: LEDERER (Head of the Department), PIERCE (Emeritus).
Associate Professor: BECK (Emeritus)
Assistant Professors: W. H. THEOBALD, J. J. THEOBALD.
Associates: LIVINGSTON, BREDLAU, FOX, HALPER, SHAPIRO.
Instructors: SPIESMAN, KANE,[1] COOMBS, VANALYEA, HARNED, GUTTMAN, MORWITZ, FABRICANT, FISHMAN, HOLLENDER.
Assistants: OSTROM, KLAWANS, WADSWORTH, HOLINGER, PALMER, BLUMKLOTZ.

Required Courses—Third Year

3. *The Ear, Nose, and Accessory Sinuses.*—Surgical anatomy, physiology, pathology and treatment. *I.* (1.) Professor LEDERER.

11. *The Mouth, Pharynx, and Larynx.*—Surgical anatomy, applied pathology and treatment. *II.* (1.) Professor LEDERER.

12. *Conference.*—A general survey of the field through the medium of quiz groups. *I and II.* (1.) Dr. COOMBS, Dr. MORWITZ, Dr. FISHMAN, Dr. HOLLENDER, Dr. PALMER.

13. *Clinic Dispensary.*—Research Hospital. 3 two-hour periods. (*Three weeks.*) *I and II.* Professor LEDERER and staff.

Required Course—Fourth Year

14. *Clinical Otolaryngology.*—Research Hospital. Cases of interest are presented to illustrate the practical points in diagnosis. Pathology, indications for treatment and operation are discussed. 1 two-hour period. (*Eight weeks.*) *I.* Professor LEDERER; Assistant Professors W. H. THEOBALD, J. J. THEOBALD; Dr. S. SHAPIRO, Dr. VAN ALYEA, Dr. FISHMAN.

Elective Courses—Fourth Year

50. *Advanced Anatomy and Physiology of Ear, Nose and Throat.*—16 hours. Dr. FISHMAN.

51. (a) *Speech Defects.*
(b) *Problems of Deafness.*—8 hours. Professor LEDERER.

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[1] Deceased February 10, 1935.

52. *Advanced Clinical Otolaryngology.*—16 hours. Research Hospital. Ward Walk. Diagnostic and therapeutic methods. Professor Lederer, Dr. Halper.

53. *Research and Experimental Work in Otolaryngology.*—Special problems assigned to qualified students. Professor Lederer.

Course for Graduate Students

101. *Research in Laryngology, Rhinology, and Otology.—One to three units.*

For Physicians' Courses see page 54.

MEDICINE

Professors: Keeton (Head of the Department), Tice (Emeritus), Lewison, Strauss.

Associate Professors: Chauvet, Moore, J. Meyer, Pilot, Goldberg, Freilich, Perlstein, H. Singer.

Assistant Professors: Levinson, Wilson, Sawyer, Cipriani, Foley, Gunnar, Propst, VanderKloot, Birch, Streicher, Deuss, Rabens, Lusk.

Associates: Goldwasser, Kronenberg, Klemptner, Dalitsch, Feldman, Nelson, Soloway, Becker, Rappaport, Bolotin.

Instructors: Hood, Ragins, Fisch, Hick, Aaronson, Afremow, Boikan, Crudim, DeTrana, Golub, Grosz, Gurvey, Pearlman, Peluse, Fischer, Amtman, McMillan.

Assistants: Simon, Kirshbaum, Benedetto, Jones, Law, Rind, Dreyer, Dorman, Kaplan, Siegal, Steigmann, Wilburn, Greenebaum, Eisenstein, Hoover, Rooney, Hickerson, Schell, Koppa, Ditkowsky, LeVine, Newton, Passarelli, Rudolph, Mosko, Turner, Gloss, Lerner, Kendrick, Czaja, Levy, Montgomery, Limarzi, Quin, Childs,[1] H. Meyer,[2] J. Singer,[2] Kaufman,[3] Matthei,[3] Conley.[4]

Cooperating: Associate Professor Camp.

Required Courses—Second Year

2. *Physical Diagnosis.* — Practical drill on normal subjects; small sections. (a) *II.* (1.) (b) 1 two-hour period. *II.* Professor Lewison, Associate Professors Chauvet, Freilich.

3. *Practice.*—Lectures and conferences with special reference to diseases of metabolism. *I.* (1.) Professor Keeton.

4. *Practice.*—Lectures and conferences. *II.* (2.) Assistant Professor Propst.

Required Courses—Third Year

11. *Practice.*—A general survey of the important diseases. A continuation of the second-year course. Continuous through *I and II.* (2.) Assistant Professors Sawyer, Cipriani, VanderKloot, Deuss; Dr. Peluse.

12. *Clinic.*—Research Hospital. Selected topics. Continuous through *I and II.* (1.) Assistant Professors Birch, Streicher; Dr. Dalitsch, Dr. Hick.

13. *Clinic.*—Cook County Hospital. Selected topics. Continuous through *I and II.* (1.) Associate Professors Pilot, Freilich, Singer; Assistant Professor Foley.

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[1] Beginning December 1, 1934.
[2] Beginning November 15, 1934.
[3] Beginning March 15, 1935.
[4] Beginning April 20, 1935.

14. *Clinic.*—Research Hospital. Selected topics, with special reference to diseases of metabolism. *II.* (1.) Professor KEETON.

15. *Clinic.*—Cook County Hospital. Demonstration of the method of history taking and physical examination on typical cases. Lecture clinic, 1 two-hour period; bedside instruction, 2 two-hour periods. (*Eight weeks.*) *I and II.* Associate Professors MEYER, PILOT, SINGER; Assistant Professor FOLEY; Dr. AFREMOW, Dr. DREYER, Dr. STEIGMANN, Dr. GREENEBAUM, Dr. CZAJA.

16. *Clinic.*—Dispensary of Research Hospital. Demonstration of the method of history taking and physical examination on typical cases. Lecture clinic, 1 two-hour period; clinic work, 3 two-hour periods. (*Eight weeks.*) *I and II.* Dr. DALITSCH, Dr. HICK, Dr. BOIKAN; Dispensary staff.

Elective Courses—Third Year

31. *Diseases of the Liver.*—*I.* (1.) Dr. DETRANA.

32. *Diseases of the Gastro-Intestinal Tract.*—Lectures and demonstrations. *I.* (1.) Associate Professor MEYER.

33. *Clinico-Pathological Lectures and Demonstrations.*—(Limited to one-eighth of the class.) (*Eight weeks.*) *II.* (1.) Associate Professor SINGER.

34. *Principles of Medicine.*—Review course. *II.* (2.) Dr. KRONENBERG.

Required Courses—Fourth Year

51. *Clinic.*—Research Hospital. Selected topics with especial attention to differential diagnosis. Continuous through *I and II.* (1.) Professor KEETON.

52. *Clinic.*—Cook County Hospital. Selected topics with especial attention to differential diagnosis. Continuous through *I and II.* (1.) Professor STRAUSS; Associate Professors MEYER, SINGER; Assistant Professor LUSK.

53. *Clinic.*—Research Hospital. Diseases in the field of allergy. 1 two-hour period. One-eighth of class. (*Eight weeks.*) *I and II.* Dr. NELSON, Dr. RAPPAPORT, and associates.

54. *Clinic.*—Research and Cook County Hospitals. Chest and respiratory diseases. 1 two-hour period. One-eighth of class. (*Eight weeks.*) *I and II.* Associate Professor FREILICH; Assistant Professors LEVINSON, DEUSS; Dr. RAGINS.

55. *Clinic.*—Research and Cook County Hospitals. Gastro-intestinal diseases including liver. 1 two-hour period. One-eighth of class. (*Eight weeks.*) *I and II.* Associate Professors MEYER, SINGER; Assistant Professors FOLEY, STREICHER, LUSK.

56. *Clinic.*—Research Hospital. Hematology. 1 two-hour period. One-eighth of class. (*Eight weeks.*) *I and II.* Assistant Professor BIRCH; Dr. KREMER, Dr. JONES, Dr. LIMARZI.

57. *Clinic.*—Research and Cook County Hospitals. Clinical cardiology with especial reference to EKG interpretation. 1 two-hour period. One-eighth of class. (*Eight weeks.*) *I and II.* Professor STRAUSS; Associate Professor PERLSTEIN; Dr. BOIKAN.

58. *Clinic.*—Research and Cook County Hospitals. Clinical cardiology with especial attention to pathological physiology. 1 two-hour period. One-

eighth of class. (*Eight weeks.*) *I and II.* Associate Professor PILOT; Assistant Professors BIRCH, RABENS; Dr. DALITSCH, Dr. HICK.

59. *Clinic.*—Research and Cook County Hospitals. Kidney and peripheral vascular diseases. 1 two-hour period. One-eighth of class. (*Eight weeks.*) *I and II.* Associate Professor PILOT; Assistant Professor VANDERKLOOT; Dr. DALITSCH, Dr. BOLOTIN, Dr. PASSARELLI, Dr. QUIN.

60. *Clinic.*—Research Hospital. Therapeutics. 1 two-hour period. (*Eight weeks.*) *I and II.* Associate Professor CAMP; Assistant Professor FOLEY; Dr. HICK.

61. *Clinical Laboratory.*—Familiarity with routine hospital laboratory procedure is stressed. 5 two-hour periods. (*Three weeks.*) *I and II.* Miss HOOD; Dr. KENDRICK, Dr. LIMARZI.

62. *Admitting Clinic.*—Research Hospital. 6 two-hour periods. (*Two weeks.*) *I and II.* Dr. BECKER, Dr. PASSARELLI.

63. *Clerkship in Tuberculosis.*—Cook County Hospital. 6 three-hour periods. (*One week.*) Associate Professor FREILICH; Assistant Professors LEVINSON, RABENS; Dr. RAGINS, Dr. SIEGAL.

Elective Courses—Fourth Year

76. *Diseases of the Gastro-Intestinal Tract.*—Lectures and demonstrations. *II.* (1.) Associate Professor MEYER.

77. *Clinico-Pathological Lectures and Demonstrations.*—(Limited to one-eighth of the class.) (*Eight weeks.*) *II.* (1.) Associate Professor SINGER.

78. *Clinical Parasitology.*—(Limited to eight students.) 1 two-hour period. (*Eight weeks.*) *I.* Miss HOOD.

79. *Principles of Medicine.*—Review course. *I.* (2.) Dr. KRONENBERG, Dr. AFREMOW.

80. *Diseases of the Heart, Kidneys, and Blood Vessels.*—Selected topics. *I.* (1.) Dr. FELDMAN.

81. *Diseases of the Chest.—II.* (1.) Assistant Professor RABENS.

82. *Tuberculosis.—II.* (1.) Associate Professor GOLDBERG.

83. *Cardio-Vascular Diseases.—I.* (1.) Professor LEWISON.

84. *Problems in Diagnosis.—II.* (1.) Assistant Professor GUNNAR.

85. *Gastro-Intestinal Disfunction.—I.* (1.) Dr. MCMILLAN.

86. *Dietetics.*—(Limited to twelve students.) (*Eight weeks.*) *II.* (1.) Dr. BECKER.

87. *Allergy.*—(Limited to twelve students.) (*Eight weeks.*) *II.* (1.) Dr. NELSON.

88. *Cardio-Vascular Disease.—I and II.* (1.) Dr. BOIKAN.

89. *Tertiary Lues.—I.* (1.) Dr. DORMAN.

90. *Hypertensive Diseases.—I.* (*Eight weeks.*) (1.) Dr. BOLOTIN.

91. *History of Medicine.—I.* (1.)

Course for Graduate Students

101. *Research in Medicine.—One to three units.* Professor KEETON; Assistant Professor BIRCH.

NEUROPSYCHIATRY

Professors: SINGER (Head of the Department), METTLER (Emeritus), HASSIN, DAVIS (Emeritus).

Associate Professor: MACKAY.

Assistant Professors: DIAMOND, OLKON, LOW, SOLOMON.

Instructors: KRAINES, BOSSELMAN, SHERMAN, KUHNS,[1] RHEINGOLD.

Assistants: PASKIND, LEBENSART, BAER, SHAPIRO, ZEITLIN, BRODER, SZUREK, LICHTENSTEIN.[2]

Cooperating: Professor SCHROEDER.

Required Courses—Third Year

1. *Neurology.*—Didactic. *II.* (1.) Assistant Professor OLKON.

6. *Psychiatry.*—Mental mechanisms and principles of prevention. *II.* (1.) Professor SINGER and associates.

Required Courses—Fourth Year

2. *Neurology.*—Lectures and demonstrations. Continuous through *I and II.* (1.) Professor HASSIN.

3. *Dispensary.*—8 two-hour periods. *I and II.* Assistant Professors DIAMOND, OLKON, LOW, SOLOMON; Dr. KRAINES, Dr. KUHNS, Dr. RHEINGOLD, Dr. PASKIND.

4. *Psychiatry.*—Lectures and case demonstrations. *I and II.* (1½.) Professors SINGER, DAVIS.

5. *Psychoneuroses.*—Clinic. 8 two-hour periods. *I and II.* Assistant Professors DIAMOND, LOW, SOLOMON.

Elective Courses—Fourth Year

50. *Neuropathology.—(Eight weeks.) II.* (1.) Limited to one-half the class. Professor HASSIN.

51. *Clinical Psychiatry.—(Eight weeks.) II.* (1.) Prerequisite, Course 4. Professors SINGER, DAVIS.

Courses for Graduate Students

101. *Research in Neurology.—One to three units.* Professor HASSIN.

102. *Research in Psychiatry.—One to three units.* Professor SINGER.

For Physicians' Course see page 54.

OBSTETRICS AND GYNECOLOGY

Professors: FALLS (Head of the Department), C. S. BACON (Emeritus), BYFORD (Emeritus), NEWMAN (Emeritus)

Assistant Professors: LANG, HAMMOND, STONE, LACKNER, LASH, BROWNE, NEWBERGER.

Associates: MARTIN, MARYAN, LIFVENDAHL, SCOTT, KOBAK.

Instructors: ROSE, BUSBY, A. R. BACON, BLOOMFIELD, HILL, KAPLAN, McLAUGHLIN, SUMMERVILLE, SMITH, KROHN, SCHNEIDER, HIBBERT.

Assistants: CONWAY, REZEK, WOLFF, CAREY, ROOS, KOENIGSBERG, BERNELL.

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[1] Beginning December 1, 1934.
[2] Beginning January 15, 1935.

A. OBSTETRICS

Required Course—Second Year

1. *Introductory Course in Obstetrics.—II.* (1.) Professor Falls.

Required Courses—Third Year

12. *Physiology of Pregnancy and Labor.—I.* (2.) Assistant Professors Newberger, Lash, Browne; Dr. Martin, Dr. Hibbert, Dr. Krohn, Dr. Schneider, Dr. Scott.

13. *Pathology of Pregnancy and Labor and the Puerperium.*—Lectures, quizzes and demonstrations. *II.* (2.) Assistant Professors Browne, Newberger; Dr. Martin, Dr. Schneider, Dr. Lash, Dr. Hibbert, Dr. Scott.

14. *Dispensary Out-Clinic.*—3 two-hour periods. (*Three weeks.*) *I and II.* Assistant Professors Browne, Newberger; Dr. Maryan, Dr. Bloomfield, Dr. Hill, Dr. Rose, Dr. Kaplan, Dr. Scott, Dr. Smith, Dr. Krohn, Dr. Carey, Dr. Schneider, Dr. Hibbert, Dr. Koenigsberg, Dr. Wolff.

16. *Obstetrical and Gynecological Laboratory.*—The student studies gross and miscroscopic specimens of such obstetrical complications as ruptured uterus, ablatio placenta, puerperal sepsis, ectopic pregnancy, hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented and fresh specimens when available. 1 two-hour period. (*Eight weeks.*) *I and II.* Dr. Hill, Dr. Summerville, Dr. Rezek, Dr. Krohn.

Elective Courses—Third Year

(Will not be given for less than 5 or more than 15 students)

50. *Toxemias of Pregnancy.—II.* (1.) Dr. Hill.

51. *Cook County Hospital Ward Walk.*—(Limited to 20 students.) (*Eight weeks.*) *I and II.* Assistant Professor Lash, Dr. Kobak.

52. *Infections.*—Puerperal sepsis, breast absess, pyelitis. *II.* (1.) Dr. Summerville.

53. *Sterility and Conception.—I and II.* (1.) Assistant Professor Stone, Dr. Kobak.

54. *Hemorrhages.—I.* (1.) Dr. Hibbert.

55. *Review Course—II.* (1.) Dr. Wolff, Dr. Bernell.

Required Courses—Fourth Year

18. *Manikin.*—Obstetrical operations demonstrated and opportunity afforded to do the operation on the manikin under supervision and to become thoroughly familiar with the instruments and technique of such operations. Small groups and individual instruction. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professors Browne, Hammond, Newberger; Dr. Summerville.

19. *Clinic.*—Research and Educational Hospital. *I and II.* (1.) Professor Falls, Assistant Professor Browne.

Elective Courses—Fourth Year

(Will not be given for less than 5 or more than 15 students)

56. *Heart Complications in Pregnancy.—II.* (1.) Dr. Scott.

57. *Manikin.—I.* (1.) Dr. KOBAK.

58. *Review Course.—I.* (1.) Dr. WOLFF, Dr. BERNELL.

59. *Operative Obstetrics.—I.* (1.) Assistant Professor BROWNE.

60. *Endocrinology.—I.* (1.) Dr. SCHNEIDER.

B. GYNECOLOGY

Required Courses—Fourth Year

1. *Lecture and Quiz.*—Continuous through the year. (1.) Professor FALLS, Assistant Professors STONE, LACKNER, LASH, BROWNE.

4. *Seminar.—I.* (*Eight weeks.*) (1.) Assistant Professor LANG, Dr. BACON, Dr. KAPLAN, Dr. MARYAN.

7. *Clinic.*—Cook County Hospital. Operative and demonstration course. 1 two-hour period. (1.) Professor FALLS.

15. *Clinic Dispensary.*—Small groups instructed in history taking and physical examinations; treat minor gynecological complaints under supervision. 3 two-hour periods. (*Three weeks.*) *I and II.* (1.) Assistant Professors LANG, STONE, LASH; Dr. KOBAK, Dr. SUMMERVILLE, Dr. HILL, Dr. MARYAN, Dr. SCOTT, Dr. BLOOMFIELD.

16. *Gynecological Laboratory.*—(See Obstetrics 16.) 1 two-hour period. (*Four weeks.*) *I and II.* Dr. HILL, Dr. SUMMERVILLE, Dr. REZEK, Dr. KROHN.

Elective Courses—Fourth Year

50. *Pelvic Neoplasms.—II.* (1.) Dr. MARYAN.

51. *Pelvic Inflammation.—II.* (1.) Dr. KOBAK.

52. *Uterine Hemorrhages.—II.* (1.) Dr. BERNELL.

53. *Mentrual Disorders.—I.* (1.) Assistant Professor BROWNE.

54. *Operative Gynecology.—I and II.* (1.) Professor FALLS.

56. *Pre-operative and Post-operative Gynecological Treatment.—I.* (1.) Dr. WOLFF.

57. *Gynecological Diagnostic Methods.—II.* (1.) Dr. MARTIN.

Course for Graduate Students

101. *Research in Obstetrics and Gynecology.—One to three units.* Professor FALLS.

OPHTHALMOLOGY

Professors: FINDLAY, WOOD (Emeritus), GAMBLE (Emeritus).
Associate Professor: BEARD (Acting Head of the Department).
Assistant Professors: FOLK, SMITH.
Associate: KAUFMAN.
Instructors: APPLE, CLARK, LOWELL, RISER.
Assistants: REZNICK, BROOKS, MULCAHY.

Required Courses—Fourth Year

1. *Clinic and Practice.*—Includes normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts,

and study of eye diseases which the general practitioner most frequently encounters. 5 two-hour periods. (*Four weeks.*) *I and II.* Assistant Professor Folk.

2. *Didactic Ophthalmology.*—Illustrated lectures and quizzes. *I.* (1.) Associate Professor Beard, Assistant Professor Folk.

Course for Graduate Students

101. *Research in Ophthalmology.—One to three units.*

For Physicians' Courses see page 54.

ORTHOPAEDICS

Professor: Thomas (Head of the Department).
Assistant Professors: Hark, Murphy, Levinthal.[1]
Associates: Marshall, Lambert.
Instructors: Fischer, Mullen, Ross.
Assistants: Grimmer, Squibb.

Required Courses—Third Year

3. *Practice.*—Conferences, recitations. *II.* (1.) Professor Thomas, Assistant Professors Hark, Murphy; Dr. Marshall, Dr. Lambert, Dr. Fischer, Dr. Ross, Dr. Mullen.

5. *Clinic.*—1 one-hour period *I.* (1.) Professor Thomas.

6. *Clinical Operative Orthopaedic Surgery.—I and II.* (2.) (*Eight weeks.*) Professor Thomas; Assistant Professor Hark, Dr. Lambert.

15. *Clinic.*—3 two-hour periods. (*Three weeks.*) *I and II.*
    (a) *Dispensary.*—Professor Thomas, Assistant Professors Hark, Murphy; Dr. Marshall, Dr. Lambert, Dr. Fischer, Dr. Ross, Dr. Mullen.
    (b) *Physiotherapy.* — Theory: Electrotherapy, hydrotherapy, mechanicotherapy, massage, muscle re-education. Practical demonstration.

Elective Courses—Fourth Year

50. *Special Topics in Surgery of Joints.*—Operative management of injuries, infections and tumors of the extremities and spinal column. *I.* (1.) Professor Thomas and staff.

51. *Surgery of Bones and Joints.*—Cadaver demonstrations of operations for the reconstructions of extremity deformities; malunion and nonunited fractures; bone transplants and fusions in Pott's disease and in fractured spines; reconstruction in fractured hips; operations following infantile paralysis. *II.* (1.) Professor Thomas and staff.

Special Physiotherapy Instruction

Clinic, Dispensary and Practice. Nurses, teachers and physical education graduates; a practical course for men and women interested in teaching crippled children and physical rehabilitation in special schools or industrial work. Registration limited. Fee for four month period $50.00.

Course for Graduate Students

101. *Research in Orthopaedics.—One to three units.* Professor Thomas.

For Physicians' Course see page 54.

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[1] Beginning April 1, 1935.

PATHOLOGY, BACTERIOLOGY, AND PUBLIC HEALTH

Professors: DAVIS (Head of the Department), PETERSEN, ARNOLD, JAFFE.
Associate Professors: PILOT, LEVINSON, NEDZEL, SAPHIR.
Assistant Professors: LADD, HULL, MILLES, PIETTE, FERGUSON,[1] KREMER.
Associates: BEACH, KEARNS, NEIMAN.
Instructors: McDANIELS, BOIKAN, GULBRANDSEN, KLEIN, MELNICK, WEISS, FOWLER, RAGINS, STUART, HOVERSON,[2] GUSTAFSON, BEAVER,[3] ROSENTHAL,[4] CORRIGAN.[5]
Assistants: KLEPPE,[2] DORRELL, DREYER, SCHLEGEL,[6] KOMINIK, MILLIKEN, DAHL.[4]
Cooperating: Mr. MACFATE, Dr. MUEHLBERGER.

Required Courses—Second Year

1. *General Bacteriology and Protozoology.*—Lectures, demonstrations; 3: laboratory; 6 hours. *I.* Professor ARNOLD. Associate Professor NEDZEL and assistants.

2. *General Pathology and Pathological Histology.*—Lectures, recitations, demonstrations; 3: laboratory; 9 hours. *II.* Professor PETERSEN; Associate Professors PILOT, LEVINSON; Assistant Professor MILLES, and assistants.

4. *Clinical Pathology.*—Chemical and microscopical examination of urine, feces and blood, with emphasis on technique. Lectures and demonstrations; 1: laboratory; 4 hours. *II.* Associate Professor LEVINSON, Mr. MACFATE, and assistants.

5. *Preventive Medicine.*—General principles of prevention of disease. Epidemiology. *II.* (2.) Professor ARNOLD and assistants.

Required Courses—Third Year

24. *Autopsies.*—Routine postmortem examinations, practical work and demonstrations. 1 two-hour period. *I and II.* Associate Professor LEVINSON, Assistant Professor MILLES and assistants.

25. *Special Pathology.*—Gross and microscopic examination of pathological material, postmortem bacteriology and experimental pathology. 1 three-hour period. *II.* Associate Professors PILOT, SAPHIR; Assistant Professor MILLES, and assistants.

Required Course—Fourth Year

29. *Industrial Hygiene and Public Health.*—Industrial and occupational diseases; control and prevention. *II.* (2.) Professor ARNOLD, Dr. BEACH.

Elective Courses

(Open only to properly qualified students. Time to be arranged.)

51. *Advanced Work and Research.*—Professors DAVIS, PETERSEN, ARNOLD.

52. *Industrial Hygiene.*—Professor ARNOLD, Dr. BEACH.

53. *Advanced Work in Public Health.*—Professor ARNOLD.

55. *Diagnosis of Tumors.*—Professor PETERSEN; Associate Professor PILOT; Assistant Professor MILLES; Dr. MELNICK.

56. *Legal Medicine.*—Associate Professor LEVINSON; Dr. KEARNS, Dr. MELNICK, Dr. MUEHLBERGER.

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[1] Deceased January 16, 1935.
[2] First semester.
[3] Beginning January 1, 1935.
[4] Beginning March 15, 1935.
[5] Beginning April 1, 1935.
[6] Deceased April 13, 1935.

Courses for Graduate Students

101. *Advanced Pathogenesis.*—Pathology and Bacteriology. *One or two units.* Professors DAVIS, PETERSEN, ARNOLD, JAFFÈ; Associate Professor PILOT.

103. *Individual Research.*—*One to four units.* Professors DAVIS, PETERSEN, ARNOLD, JAFFÈ; Associate Professor PILOT.

PEDIATRICS

Professors: HESS (Head of the Department), EARLE (Emeritus), IRISH, BLATT.
Assistant Professors: BOWER, CALVIN, ROSENBLUM, PONCHER.
Associates: GOLDBERGER, GREENGARD, CHAMBERLAIN, ROBINS, SALTIEL, BRONSTEIN, GASUL, HOFFMAN, LEICHENGER, WEINFELD.
Instructors: LEVIN, PAUKER, HALPERN, SULDANE, MANSOWIT.
Assistants: TIGAY, WOODWARD, PADNOS, SCHNEIDER, ABELSON, BARATZ, NICHAMIN, JACOBS.
Cooperating: Professor SCHROEDER.

Required Courses—Third Year

1. *Practice and Clinic.*—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences. *I.* (1.) Professor HESS, Assistant Professor PONCHER.

4. *Practice.*—Recitations. *II.* (1.) Professor IRISH and assistants.

5. *Clinic.*—Cook County Hospital. (*Eight weeks.*) *I and II.* (1.) Assistant Professor CALVIN.

6. *Clinic.*—Cook County Hospital. (*Eight weeks.*) *I and II.* (1.) Assistant Professor ROSENBLUM.

9. *Clinic.*—Cook County Hospital. Contagious diseases. (*Four weeks.*) *I and II.* (2.) Assistant Professor BOWER, Dr. LEICHENGER and Dr. GASUL.

Elective Courses—Third Year

50. *Physical Diagnosis in Childhood.*—(*Eight weeks.*) *I and II.* (1.) Dr. SALTIEL.

51. *Syphilis and Gonorrhea in Childhood.*—Dr. HOFFMAN.

52. *Tuberculosis in Childhood.*—(Also open to seniors.) Dr. GREENGARD.

Required Courses—Fourth Year

10. *Clinic.*—Dispensary; Research Hospital. 3 two-hour periods. (*Four weeks.*) *I and II.* DISPENSARY STAFF.

12. *Clinic.*—Cook County Hospital. 1 two-hour period. *I and II.* Professor HESS.

13. *Clinic.*—Cook County Hospital. Physical diagnosis and demonstration of cases. 1 two-hour period. (*Eight weeks.*) I and II. Professor IRISH.

14. *Clinic.*—Cook County Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Professor BLATT.

Elective Courses—Fourth Year

61. *Tuberculosis in Childhood.*—(*Eight weeks.*) *I and II.* (1.) Dr. GASUL.

62. *Clinical Pediatrics.*—Research Hospital. *I and II.* (1.) Assistant Professor PONCHER.

63. *Hematology in Infancy and Childhood.*—(2.) (*Eight weeks.*) *I and II.* Assistant Professor PONCHER.

66. *Pediatrics.*—Mental Hygiene in infancy and childhood. (*Eight weeks.*) *I and II.* (1.) Professor SCHROEDER.

Course for Graduate Students

101. *Research in Pediatrics.—One to three units.* Professor HESS, Assistant Professor PONCHER.

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Professors: McGUIGAN (Head of the Department), FANTUS.
Associate Professor: CAMP.
Associate: EWING.
Lecturer: MUEHLBERGER.
Assistants: HIGGINS, GANT, DYNIEWICZ, HELFRICH.

Required Courses—Second Year

(*Prerequisites:* Physiology, Course 1, or equivalent; Physiological Chemistry, Courses 51 and 52, or equivalent.)

1. *Pharmacology.*—Lectures; 3: laboratory; 6. *I.* Professor McGUIGAN, Associate Professor CAMP, Dr. EWING, Dr. HIGGINS.

4. *Pharmacology.*—Lectures or quizzes; 2: laboratory; 2. *II.* Professor McGUIGAN, Associate Professor CAMP, Dr. EWING, Dr. MUEHLBERGER, Dr. HIGGINS, Mr. HELFRICH.

Required Course—Third Year

5. *Therapeutics.* — *I.* (2.) Professor McGUIGAN, Professor FANTUS, Miss DYNIEWICZ.

Elective Courses

(*Minimum registration:* 5 students for each course)

50. *History of Pharmacology and Toxicology.*—Review of modern books pertinent to the subject. Professor McGUIGAN, Associate Professor CAMP.

51. *Materia Medica.*—Prescription writing. Professor McGUIGAN, Associate Professor CAMP.

52. *Toxicology.*—Professor McGUIGAN, Associate Professor CAMP.

53. *Systemic Pharmacology.*—(a) eye, (b) digestive systems, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart and kidneys. Professor McGUIGAN, Associate Professor CAMP.

54. *Fundamental Principles of Therapy.*—Professor FANTUS.

55. *Correlation of Pharmacology and Therapeutics.*—Professor McGUIGAN, Associate Professor CAMP.

56. *Seminar.*—Open to selected students. The staff.

Courses for Graduate Students

101. *Advanced Pharmacodynamics.—One to three units.* Professor McGUIGAN, Associate Professor CAMP.

103. *Research in Pharmacodynamics.—One to three units.* Professor McGUIGAN, Associate Professor CAMP.

PHYSIOLOGICAL CHEMISTRY

Professor: Welker (Head of the Department).
Associate Professor: Bergeim.
Assistant Professor: Cole.
Instructors: MacFate, Johnson.
Assistants: Briggs, Harvey.

Required Courses—First Year

51. *Physico-chemical Properties of Solutions.*—Chemistry of carbohydrates, lipides, and proteins. Enzymes and digestion. Lectures, demonstrations, conferences; 1½: laboratory; 4. *I.* Professor Welker; Associate Professor Bergeim; Assistant Professor Cole, Dr. Johnson, Miss Briggs, Mr. Harvey, and assistants.

52. *Chemistry of Bile, Blood, Milk and Tissues.*—Metabolism. Chemistry of urine (qualitative and quantitative). Lectures, demonstrations, conferences; 1½: laboratory; 4. *II.* Professor Welker; Associate Professor Bergeim; Assistant Professor Cole, Dr. Johnson, Miss Briggs, Mr. Harvey, and assistants.

Elective Courses

60. *Special Topics in Biochemistry.*—Blood analysis. Vitamine studies. Methods and clinical significance. Associate Professor Bergeim.

61. *Physical and Colloid Chemistry.*—The elements of physical and colloid chemistry and their application to biology and medicine, with emphasis on the chemistry of the proteins. Assistant Professor Cole.

62. *Preparation of Pure Proteins.*—Professor Welker.

Biochemical Seminar.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

Research.—The laboratories are open to qualified persons for the conduct of original investigations under the direction of the staff.

Courses for Graduate Students

101. *Advanced Biological Chemistry.*—Biochemical methods of research, biological colloids, enzyme action and metabolism. *One or two units.* Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.

103. *Biochemical Research.—One to three units.* Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.

PHYSIOLOGY

Professors: Visscher (Head of the Department), Bachem, Gellhorn.
Assistant Professors: Reed, Jenkins.
Instructor: Smith.
Assistants: Ingraham, Peters, Northup, Steck, Hathaway, Struck.

Required Course—First Year

1. *Human Physiology.*—The function of the several tissues and organs and the correlation and regulation of their activities in the human organism. Lectures, conferences, demonstrations and laboratory. *II.* (7.) Professors Visscher, Gellhorn; Assistant Professor Reed, and staff.

Required Course—Second Year

2. *Human Physiology.* — Continuation of Physiology 1. *I.* (8.) Professors VISSCHER, GELLHORN; Assistant Professor REED, and staff.

Elective Courses

(Open only to qualified students.)

51. *Physiology of the Heart.*—Professor VISSCHER.
52. *Physiological Effects of Radiation.*—Professor BACHEM.
53. *Physiology of the Alimentary Tract.*—Assistant Professor REED.
54. *Physiology of the Endocrine Glands.*—Assistant Professor REED.
55. *Problems in Physiology.*—Professors VISSCHER, BACHEM, GELLHORN; Assistant Professors REED, JENKINS.
56. *History of Physiology.*—Professor VISSCHER.

Courses for Graduate Students

101. *Research in Physiology.—One to three units.* Professors VISSCHER, GELLHORN; Assistant Professor REED.
102. *Research in Biophysics.—One to three units.* Professor BACHEM.
103. *Seminar in Selected Fields.—One unit per semester.* Professors VISSCHER, BACHEM, GELLHORN; Assistant Professor REED.
104. *Current Literature Seminar.—One-half unit per semester.* Required of all graduate students in physiology. Professors VISSCHER, BACHEM, GELLHORN; Assistant Professor REED.

ROENTGENOLOGY

Professor: HARTUNG.
Assistants: WACHOWSKI, RUBERT.[1]
Cooperating: Professor BACHEM.

Required Courses—Fourth Year

4. *Roentgenology.*—Application of Roentgen rays to medicine and surgery. *I.* (2.) Professor HARTUNG.
5. *Clinic Dispensary.*—Technic, interpretation and therapy. 6 one-hour periods. (*Two weeks.*) *I and II.* Professors HARTUNG, BACHEM; Dr. WACHOWSKI, Dr. RUBERT.

Elective Course—Fourth Year

50. *Roentgen Film Interpretation.—I and II.* (1.) Professor HARTUNG.

For Physicians' Course see page 55.

SURGERY

Associate Professor OLDBERG (Acting Head of the Department).

A. GENERAL SURGERY

Professors: HARSHA (Emeritus), C. DAVISON (Emeritus), HUMISTON, N. M. PERCY, DYAS, PHIFER, DETARNOWSKY.

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[1] Second semester.

Associate Professors: POST, NADEAU.

Assistant Professors: DAVENPORT, MCARTHUR, JIRKA, BAMBERGER, KOUCKY, SEED, KORDENAT, MALCOLM, MORA, PUESTOW, SARMA, LYON, DE TAKATS.

Associates: STEPHENS, WALLACE,[3] JOANNIDES, KRONENBERG, ZECHEL, VAN HAZEL, ODEN, SCHULTZ, SCUDERI, CROUTCH, HAZLETT, BRUNNER, PORTIS.[2]

Instructors: WERNICKE, WILLIS, MEYER, STEIN, DELANO, ALMQUIST, MARSHALL, MISHKIN, MURPHY, G. L. PERCY, R. M. DAVISON, ARIES, BAKER, MCMILLAN, PELUSE, PONTIUS, ROSS, GREEN,[1] JOSEPH,[2] COOMBS.[4]

Assistants: BRAUDE, PARKER, BROWN, GILLESBY, KRAMP, MARQUARDT, JAFFRAY, THRASHER.

Required Course—Second Year

1. *Fundamental Principles of Surgery.*—Asepsis, Anaesthesia, Shock, Hemorrhage, Septicemia, Surgery of the Skin, Blood Vessels and Lymphatics, and Surgical Dressings. *II.* (2.) Assistant Professors SEED, KOUCKY, KORDENAT, MORA; Dr. CROUTCH, Dr. PORTIS.

Required Courses—Third Year

2. *Regional Surgery and Surgical Pathology.*—Conferences, demonstrations, recitations. Continuous through the year. (2.) Professor PHIFER, Associate Professor POST; Assistant Professors BAMBERGER, SEED.

3. *Anaesthesia.*—Lectures. (*Twelve weeks.*) *II.* (1.) Dr. BRUNNER.

5. *Surgical Diagnosis.*—Research and Educational Hospital. *I and II.* (1.) Assistant Professor MCARTHUR, Dr. MEYER.

6. *Clinic.*—Research and Educational Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor MALCOLM.

7. *Clinic.*—Dispensary, Research and Educational Hospital. History taking, Diagnosis, Minor Surgery and Surgical Dressings. 3 two-hour periods. (*Three weeks.*) *I and II.* Assistant Professors BAMBERGER, MALCOLM, MORA, SARMA; Dr. KRONENBERG, Dr. ALMQUIST, Dr. CROUTCH, Dr. DELANO, Dr. VAN HAZEL, Dr. DRUECK, Dr. MISHKIN, Dr. WERNICKE, Dr. ZECHEL, Dr. MCMILLAN, Dr. PONTIUS, Dr. ROSS, Dr. BAKER, Dr. PELUSE, Dr. ARIES, Dr. GREEN, Dr. JOSEPH.

11. *Clinic.*—Cook County Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Professor DYAS.

13. *Clinic.*—St. Luke's Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Dr. HAZLETT.

Elective Courses—Third Year

50. *Principles of Surgery.*—A review course. *II.* (2.) Assistant Professor MORA, Dr. PARKER.

53. *Regional Surgical Anatomy.*—*I.* (1.) Dr. ZECHEL.

55. *Blood Transfusion, Surgical Dressings, and Bandaging.*—Individual instruction and demonstration. *I.* (1.) Assistant Professor KORDENAT.

57. *Surgical Diagnosis.*—*I.* (1.) Dr. JOANNIDES, Dr. MEYER.

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[1] Beginning January 1, 1935.
[2] Second semester.
[3] Resignation effective March 11, 1935.
[4] Beginning April 1, 1935.

Required Courses—Fourth Year

20. *Clinic.*—Research and Educational Hospital. Continuous through the year. (1). Professor DETARNOWSKY.

23. *Clinic.*—Research and Educational Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor PUESTOW.

24. *Clinic.*—Cook County Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Professor DYAS.

25. *Industrial Surgery.*—St. Luke's Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor LYON.

26. *Surgical Pathology.*—Laboratory. 1 two-hour period. (*Eight weeks.*) *I and II.* Associate Professor NADEAU.

27. *Oral Surgery.*—1 two-hour period. (*Four weeks.*) *I and II.* Dr. SCHULTZ.

28. THORACIC SURGERY.—Research and Educational Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Dr. VAN HAZEL.

32. *Clinic.*—Augustana Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Professor PERCY.

34. *Clinic.*—Research and Educational Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Associate Professor OLDBERG.

36. *Clinic.*—Cook County Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor JIRKA.

37. *Industrial Surgery.*—St. Luke's Hospital. 1 two-hour period. (*Eight weeks.*) *I and II.* Assistant Professor LYON.

Elective Courses—Fourth Year

51. *Regional Surgery.*—A review course. *I.* (2.) Assistant Professor MORA, Dr. PARKER.

52. *Surgical Diagnosis.—II.* (1.) Dr. ODEN.

59. *Surgery of the Neck.—II.* (1.) Assistant Professor SEED.

60. *Surgery of the Thorax.—II.* (1.) Dr. VAN HAZEL.

63. *Principles and Practice of Anaesthesia.—I and II.* (1.) Dr. BRUNNER.

65. *Surgical Diagnosis.—II.* (1.) Dr. STEPHENS.

68. *Operative Surgery on Animals.*—1 two-hour period. *II.* Assistant Professor KOUCKY.

70. *Research on Assigned Problems.*—Associate Professor OLDBERG and staff.

73. *Emergency Surgery.—I.* (1.) Professor DETARNOWSKY.

74. *Neurological Surgery.—I.* (1.) Associate Professor OLDBERG.

75. *Practice of Surgery.—I.* (1.) Assistant Professor MALCOLM.

77. *Surgical Technic.—II.* (1.) Assistant Professor PUESTOW.

78. *Traumatic Surgery.—II.* (2.) Dr. SCUDERI.

79. *Rectal Surgery.—I.* (1.) Dr. PONTIUS, Dr. MCMILLAN.

80. *Surgery of the Sympathetic Nervous System.—II.* (1.) Assistant Professor DE TAKATS.

Course for Graduate Students

101. *Research in Surgery.—One to three units.* Associate Professor OLDBERG, Assistant Professors PUESTOW, HERROLD, DE TAKATS.

B. GENITO-URINARY SURGERY

Professor: McKENNA.
Associate Professor: O'CONOR.
Assistant Professor: HERROLD.
Associates: HIRSCH, EWERT.
Instructors: PLATIN, RITCH.
Assistants: GERNON, SCHACHT.

Required Courses—Third Year

3. *Practice.*—Conferences, recitations. *I.* (1.) Associate Professor O'CONOR, Assistant Professor HERROLD, Dr. EWERT.

5. *Clinic.*—Dispensary. 3 two-hour periods. (*Three weeks.*) *I and II.* Professor McKENNA; Assistant Professor HERROLD; Dr. PLATIN, Dr. EWERT, Dr. GERNON, Dr. SCHACHT, Dr. RITCH.

Required Courses—Fourth Year

12. *Clinic.*—Washington Boulevard Hospital. 1 two-hour period. *(Four weeks.) I and II.* Associate Professor O'CONOR.

13. *Clinic.*—Research and Educational Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, surgery, catheterization of ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. 1 two-hour period. (*Four weeks.*) *I and II.* Professor McKENNA.

Elective Course—Fourth Year

51. *Surgery of the Genito-Urinary Tract.—I and II.* (1.) Professor McKENNA, Associate Professor O'CONOR.

SPECIAL COURSES FOR PHYSICIANS

The following courses are open to physicians with degrees from recognized institutions. In all cases the approval of the head of the department concerned must be secured. The registration is conducted in the office of the Recorder and Examiner and the fees are payable in advance at the Business Office.

ANATOMY

60. *Anatomy Dissection.*—This course for physicians and surgeons only, provides for complete or partial dissection of the human cadaver. The length of the course does not exceed four months and is limited to the spring and summer periods until more space is available. Special instruction is given only if four or more persons are taking the course at the same time, and if they desire it. The fee for four months is $100.00, and may be shared by two students.

JUVENILE BEHAVIOR

80. *Clinical Course.*—The treatment of behavior problems in children is properly the function of the pediatrician and general practitioner. This course is designed to meet the needs of the physician in the recognition and treatment of juvenile behavior problems. Emphasis is placed upon social factors (environment) and family inter-relationships. The physician participates in the study and treatment of cases in the Institute for Juvenile Research. Duration, minimum four months. The course is offered in two parts—(a) lectures and conferences; (b) clinic—as follows:

80a. *Lectures and Conferences.*—A series of eight lectures and conferences on behavior disorder as a part of organic disease, recognition and management of mental deficiency with community resources, habit training (bed wetting, anorexia, thumb sucking, etc.), behavior disorders due to unhealthy parent-child relationship and their management, and delinquency. Hours to be arranged. Fee, $10.00.[1]

80b. *Clinic.*—Prerequisite 80a. (80a may be taken concurrently with 80b.) Analysis and treatment of behavior problems under supervision. Hours to be arranged. Fee, $40.00.[1]

NEUROPSYCHIATRY

80. *Clinical Course.*—Designed to present methods of examination and indications for treatment. Includes attendance at clinics and ward rounds, work in anatomy, physiology, pathology, serology, etc. Hours to be arranged. Registration limited. Fee for four months period, $50.00.

OPHTHALMOLOGY

80. *Clinical Course.*—Designed for those who wish to take up ophthalmology as a specialty. Only one process is studied at a time. Processes taught are: *I.* Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction (with Cycloplegia and without), Tonometry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification); *II.* Measurements of Disc Levels, Perimetry, Objective Findings in External and Fundus Diseases, Case-History Writing and Diagnosis, Prognosis, and Treatment of a given case as a whole. This course extends over three periods of four months each, and no applicant is accepted for registration for less than the full twelve months. Pathology is taken with undergraduate students. Hours: 9 to 12 a.m., 6 days per week. The fee for each period of four months is $50.00.

81. *Pathology of the Eye.—(Four months.)* Hours to be arranged. *I or II.* Associate Professor BEARD.

ORTHOPAEDICS

80. *Clinical Course.*—Designed to present and show the importance of examination and systematic development of indications. Includes, (a) Attendance at clinics and ward rounds, (b) Operative orthopaedic surgery on cadavers, (c) Assistance at operations, (d) Work in pathology, psychiatry, general surgery, physiotherapy, neurology, serology, etc. Hours to be arranged. Registration limited. Fee for 4 months period, $50.00.

OTOLARYNGOLOGY

80. *Clinical Assistantship.*—This course is primarily intended for Post-Graduates in the Department of Otolaryngology. It is designed to present standardized methods in diagnosis and the problems of treatment based upon the pathological findings of cases in the ambulatory clinics of the Research and Educational Hospital. Case history taking, methods of examinations, special anatomy (optional), gross pathology and indications for treatment and operation are stressed. The work is done for the most part independently under proper supervision and direction. An effort is made to assist the students in some of the more difficult phases of their clinical work by practical demonstration courses, which are also available as review courses for men already established in special practice. The course extends over a period of four months and for three periods a year. The fee for each period of four months is $100.00. Hours: 10 to 12 a.m. and 2 to 4 p.m., six days a week. Professor LEDERER and staff.

81. *Functional Tests of the Ear.*—(a) Cochlear apparatus with special consideration of the use of tuning forks; (b) Vestibular apparatus with special reference to the caloric, rotatory and galvanic tests. 10 hours. Minimum, 2 students. Fee, $25.00. Assistant Professor J. J. THEOBALD, Dr. S. L. SHAPIRO.

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[1] Fees subject to change by the Board of Trustees.

82. *Tuberculosis of the Larynx.*—Municipal Tuberculosis Sanitarium. Demonstration upon patients of typical aspects of the disease with exact description of differential diagnosis and methods of therapy. 10 hours. Limited to two students. Fee, $25.00. Professor LEDERER.

83. *Physical Therapeutic Procedures in Otolaryngology.*—The indications and technical application of low-voltage and high-frequency currents, ionization, electrosurgery, and the medical uses of light, heat, and electricity in general. 12 hours. Limited to four students. Fee, $50.00. Dr. HOLLENDER.

84. *Histopathology of the Ear, Nose, and Throat.*—Demonstration of gross and microscopic specimens; laboratory technique. 20 hours. Limited to 2 students. Fee, $50.00. Professor LEDERER, Dr. FOX.

85. *Bronchoscopy and Esophagoscopy.*—Research Hospital. Demonstration of methods of examination, indications and contraindications; manikin practice; technique of bronchography. 12 hours. Limited to two students. Fee, $50.00. Professor LEDERER, Dr. FISHMAN, Dr. HOLINGER.

86. *Otoneurology.*—Vestibular apparatus in relation to labyrinthine disease, brain tumors and head injuries. 10 hours. Limited to 5 students. Fee, $25.00. Dr. S. L. SHAPIRO.

87. *Surgical Anatomy and Surgery of the Mastoid.*—Demonstration of specimens and technique of operation. Practice on the cadaver. 10 hours. Limited to 2 students. Fee, $50.00. Professor LEDERER.

88. (a) *Surgical Anatomy of the Nose and Sinuses.*—
(b) *Clinical Aspects of Sinus Diseases.*—10 hours. Minimum registration, 2 students. Fee, $50.00.
Assistant Professor W. H. THEOBALD, Dr. VAN ALYEA, Dr. L. FISHMAN

Note: Courses 81 to 88, inclusive, may be registered for individually or in groups, the time being arranged for with the instructors. More hours may be arranged for by consent of the instructor. Applicants must be graduates of a Class A medical school and present proper credentials acceptable to the chairman of the department for admission.

89. *Otolaryngological Seminar.* — Presentation and discussion of clinical cases; critical reviews of results of investigations and current literature. Weekly conferences. Professor LEDERER and staff.

ROENTGENOLOGY

80. *Clinical Course.*—Designed for those desiring to take up roentgenology as a specialty. Includes theoretical and practical teaching of the use of roentgen rays and radium for diagnosis and treatment. Offers opportunity to observe the technique of all standard roentgen examinations. Instruction given in interpreting findings on films and fluoroscopic screen and in the application of radiation to superficial and deep lesions. Extends over two semesters of four months each and no applicant is accepted for less than the full period. Number limited. Hours: 8:30 to 12 a.m., 2 to 5 p.m. Fee for each semester, $100.00

PROVISIONAL SUMMARY OF CLOCK HOURS

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
First Year					
Anatomy, Gross	24	128	24	112	288
Histology	24	72	12	36	144
Embryology	24	48	. .	. .	72
Neurology	. .	. .	24	48	72
Physiological Chemistry	24	64	24	64	176
Physiology	. .	. .	64	48	112
Total	96	312	148	308	864
Second Year					
Bacteriology	48	96	. .	. .	144
Hygiene	. .	. .	32	. .	32
Medicine	16	. .	32	. .	48
Physical Diagnosis	. .	. .	16	32	48
Obstetrics	. .	. .	16	. .	16
Pathology	12	36	36	108	192
Pathology, Clinical	. .	. .	16	64	80
Pharmacology	48	96	32	32	208
Physiology	64	64	. .	. .	128
Surgery	. .	. .	32	. .	32
Total	188	292	212	236	928
Third Year					
Anaesthesia	. .	. .	12	. .	12
Anatomy, Topographic	. .	64	. .	. .	64
Autopsies	. .	16	. .	16	32
Pathology, Special	. .	. .	. .	48	48
Criminology	. .	. .	16	. .	16
Dermatology	16	. .	16	. .	32
Medicine	32	98	32	82	244
Neurology	. .	. .	16	. .	16
Obstetrics	32	17	32	17	98
Orthopaedics	. .	25	16	25	66
Otolaryngology	16	17	16	17	66
Pediatrics	16	12	16	12	56
Psychiatry	. .	. .	16	. .	16
Therapeutics	32	. .	. .	. .	32
Surgery	32	50	32	50	164
Genito-urinary Surgery	16	9	. .	9	34
Electives	32	. .	32	. .	64
Total	224	308	252	276	1060
Fourth Year					
Dermatology	16	6	16	6	44
Gynecology	20	21	20	21	82
Hygiene	. .	32	. .	. .	32
Jurisprudence	. .	. .	16	. .	16
Medicine	16	104	32	104	256
Neurology	. .	24	. .	40	64
Obstetrics	. .	20	. .	20	40
Ophthalmology	16	20	. .	20	56
Otolaryngology	. .	8	. .	8	16
Pediatrics	. .	44	. .	44	88
Psychiatry	. .	12	. .	12	24
Roentgenology	32	12	. .	. .	44
Surgery	. .	84	. .	84	168
Genito-urinary Surgery	. .	8	. .	8	16
Electives	88	. .	88	. .	176
Total	188	395	172	367	1122

COLLEGE ORGANIZATIONS

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE

President—Maximilian J. Hubeny, '09, 25 E. Washington Blvd., Chicago.
President-Elect—Frank C. Linden, '89, 1913 S. Halsted St., Chicago.
First Vice-President—L. Rock Sleyster, '02, Wauwautosa, Wisconsin.
Second Vice-President—F. J. E. Ehrmann, '93, 2059 W. 21st St., Chicago.
Third Vice-President—Frank Kotalik, '13, 6348 W. 26th St., Berwyn.
Secretary-Treasurer—Henry P. Dorman, '32, 432 S. Lincoln St., Chicago.
Chairman Executive Committee—V. F. Masilko, '00, 2524 S. Keeler Ave., Chicago.
Necrologist—Felix H. Renberg, '05, 3037 Wentworth Ave., Chicago.
Alumni Councillors—
William H. Browne, '27, 2051 Sedgwick St., Chicago.
John H. Evans, '08, 4010 W. Madison St., Chicago.
C. C. Clement, '06, 30 N. Michigan Ave., Chicago.
Joseph Zabokrtsky, '01, 55 E. Washington Blvd., Chicago.
William A. Plice, '02, 4010 W. Madison St., Chicago.
John M. Lang, '00, 4754 W. Washington Blvd., Chicago.
George W. Post, '09, 4010 W. Madison St., Chicago.
Frank J. Fara, Jr., '33, 6822 W. 34th St., Berwyn.
Max Meyerovitz, '07, 55 E. Washington Blvd., Chicago.
Hyman N. Brown, '24, 4010 W. Madison St., Chicago.
John B. Cipriani, '13, 2357 W. Madison St., Chicago.
Clara G. Gottschalk, '15, 5217 Magnolia Ave., Chicago.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in fifty-six "Class A" medical schools, was founded in the College of Medicine of the University of Illinois in 1902. Third-year and fourth-year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

Group I.—Class of 1935

George Edward Colyer
Harry I. Shulruff
Danely Philip Slaughter
Milton Tinsley
Morris Waisman

Group II.—Class of 1935

Nathan S. Deutsch
Robert Friedenberg
Abraham Gorodazky
Milton E. Kurth
William W. Lockwood
John Parke
Matthew Platt
Herbert A. Schiller
Frank J. Tesar

Group I.—Class of 1936

Duane D. Darling
Howard E. Dorton
Herman B. Lander
Arthur B. Levan
Everett J. Olenick

PI KAPPA EPSILON

Pi Kappa Epsilon is an honorary fraternity to which members are selected on a basis of character, personality, and professional qualities.

Class of 1935

ALFRED STONE ASH
MERRILL CHARLES BEECHER
HENRY SARGENT HOWARD
WILLIAM HENRY KAEISER
WILLIAM WAYNE LOCKWOOD
JAMES STEDMAN REYNOLDS
KEITH RHEA
FRED JASPER RICKETTS
ADELBERT L. SPILLER
RICHARD VAWTER STEVENSON

Class of 1936

GEORGE H. ASHLINE
MILTON CHARLES BAUMANN
EUGENE WARREN GESSLER
CHARLES DONALD KRAUSE
FELIX PATRICK MOONEY
OLIVER VERNON RENAUD

SIGMA XI

In the spring of 1928 the Society of Sigma Xi was granted a charter for the organization of a chapter at the College of Medicine of the University of Illinois. The society has for its object the promotion of research.

Officers for 1934-35.—Dr. C. B. PUESTOW, *President;* Dr. S. A. LEVINSON, *Vice-President;* Dr. W. H. WELKER, *Secretary;* Dr. I. PILOT, *Treasurer;* Dr. D. J. DAVIS, Dr. H. A. MCGUIGAN, Dr. O. F. KAMPMEIER, *Elective Members of the Executive Committee.*

Elected to Active Membership (May 25, 1934).—Dr. A. W. BROWN, *Associate Professor of Criminology*; Dr. FORD HICK, *Instructor in Medicine*; Mr. H. A. KUHN, *Graduate Student*; Dr. P. J. MELNICK, *Associate in Pathology.*

Promotion from Associate to Active Membership.—Dr. H. A. ASHER, *Assistant in Metallurgy*; Dr. I. P. BRONSTEIN, *Associate in Pediatrics*; Mr. GEORGE GILMAN, *Graduate Student*; Dr. P. L. EWING, *Associate in Pharmacology*; Mr. V. A. GANT, *Assistant in Pharmacology*; Dr. SAMUEL KAPLAN, *Instructor in Obstetrics;* Mr. H. E. MCDANIELS, *Instructor in Pathology.*

Elected to Associate Membership (May 25, 1934).—Dr. L. H. BERRY, *Graduate Student;* Dr. I. E. STECK, *Assistant in Physiology.*

At the annual meeting, held May 25, 1934, Dr. R. D. CARMICHAEL, Dean of the Graduate School, delivered the scientific address on "Consonance of Thought and Things."

The annual Sigma Xi prize of $25.00 for the best piece of scientific investigation on the part of any student in the College of Medicine, the College of Dentistry, or the Graduate School, who is without a salaried appointment from the Board of Trustees, was awarded to Mr. ROY K. SNYDER for his work on "Study of the Electrolytes in Gastric Juice with Special Reference to Achylia Gastrica."

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets twice a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

Officers for 1934-35.—Dr. Robert W. Keeton, *President,* and Dr. Henry G. Poncher, *Secretary.*

Papers Read Before the Club, 1934-35

Wednesday, November 14, 1934

"The Source of Energy for the Secretion of Saliva," Dr. D. W. Northrup.

"Studies on Specificity of the Hemolytic Streptococci of Scarlet Fever, Erysipilas, and Septic Sore Throat," Drs. B. M. Gasul and P. S. Rhoads.

Monday, November 26, 1934

"Effect of Morphine Sulfate on Temperature of Various Animals," Mr. L. S. Helfrich.

"Factors Concerned in the Utilization of Calcium of Cows Milk," Drs. H. G. Poncher, J. H. Hess, and Miss Helen Woodward.

Wednesday, January 9, 1935

"Effect of Various Colloids on Peptic Digestion in Vitro," Dr. Bernard Fantus.

"The Influence of Variation of Oxygen and Carbon Dioxide Tension in the Inspired Air in Man," Drs. Irwin Spiesman and Ernst Gellhorn.

Wednesday, February 13, 1935

"Statistical Studies on Hemoglobin Determinations," Miss Marion Hood.

"Anteriolar Fibrosis Induced Following Sympathectomy," Dr. George Milles.

Wednesday, March 13, 1935

"Passive Immunity in Infants and Their Response to Diphtheria Toxoid," Dr. Joseph Greengard.

"A Statistical Study of Development of Speech in Infants—With Lantern Slides," Dr. A. A. Low.

PHI MU PHI

(Physicians—Music—Fellowship)

The Glee Club of the College of Medicine of the University of Illinois offers to members in good standing the key of Phi Mu Phi. Voice try-outs are held at the beginning of the fall session and students from the first-year and second-year classes who fulfill the qualifications embodied in the motto of the Club are selected.

The following students are eligible for keys in 1935:

Theodore M. Cohen
Theodore Dulin
Jacob Fleischer
Wade F. Heritage
William H. Wright
Samuel Kantor
Edward Levine
Leonard S. Buck

The following is a list of members elected in 1935:

Willard Z. Kerman
Philip Falk
Philip M. Marcus
Arthur I. Janus
Jack C. Purvey
W. Baumgartner
Jerome Weintraub

DEGREES CONFERRED

From May 1, 1934, to May 1, 1935

(See also page 85.)

Degree of Doctor of Medicine

Conferred May 1 to June 30, 1934

Morris Buyer	June 17, 1934
Francis Anthony Cirrincione, B.S.	June 10, 1934
Henry Noah Cress, B.S.	June 1, 1934
Helen Octavia Dickens, B.S.	June 15, 1934
Ralph Waldo Freeman, B.S.	June 20, 1934
Sidney Deutsch Klow	June 15, 1934
David Leonard Lerner, B.S.	May 1, 1934
Elbert Kenneth Lewis, B.S.	June 15, 1934
Gabriel Rose, B.S.	June 10, 1934
Robert Archie Smith, B.S.	June 10, 1934
Margaret Wallace, B.S.	June 25, 1934
Lazar Eli Zimmerman, B.S.	June 15, 1934

Conferred July 1, 1934

Cyril Jacob Anslinger, B.S.
Bruce Ned Balding, B.S.
Lester Sidney Baskin, B.S.
Paul Barnabus Bauer
Maurice Loren Becker, B.S.
Robert Edward Bedard, B.S.
Arthur Bernstein, B.S.
Harry S. Bezman, B.S.
Alexander Oscar Birgerson, B.S.
Ellis Bonnell, B.S.
Charles Elmer Branch, B.S.
Harry Brodsky
George Freeman Brooks
Donald Dinsmore Burroughs, B.S.
Harold Jesse Cawthorne, B.S.
Bernard Victor Chern, B.S.
William Arnold Christian, B.S.
Jacob Cohen, B.S.
Melvin Russell Cohen, B.S., M.S.
Robert Bruce Collins, B.S.
Oscar Howard Comess
James Oliver Conklin, B.S.
Harry Cooper, B.S.
Clarence Stephen Costigan, B.S.
Fred Louis Darnall
Casimir Demski, B.S.
Clyde Allan Dickinson
Max M. Dunn, B.S.
Milton Arnold Dushkin, B.S.
Claude Irving Ellis, B.S.
James Caleb Ellis, B.S.
Harlan English, B.S.
Frank Joseph Fara, Jr., B.S.
Leland Kenneth Farlander
Anthony Francona, B.S.
Seeley B. Furby
Abraham Mitchell Gottlieb, B.S.
Carl Julius Gustafson, B.S.
Wesley Axel Gustafson
Deloss Reed Hanley, B.S.
James Frank Harris
Lewis Michael Helfer
Clifford Alva Hendricks
Zelma Lamb Herndon, B.S.
Joseph Louis Hrdina
Nathan G. Ingber, B.S.
Eric Gunnar Johnson, B.S.
Stephen Patrick Johnson, B.S.
Cletus Timothy Kearney, B.S.
Maurice Klotz, B.S.
Louis Joseph Knapp, B.S.
David Sydney Koransky, B.S.
Julius Maurice Krevitt, B.S.
Homer Lee Lawder, B.S.
Samuel O. Levin
Albert Joseph Levine, B.S.
Jacob Levy, B.S.
Morris Lester Lipstein
Robert McCune, Jr., B.S.
Bernard Edward Malstrom
Samuel Manelis, B.S.
Louis Philip Matthei, B.S.
Harry Dudley Miller, Jr., B.S.
Howard Russell Miller, B.S.
Irving Mishkin, B.S.
Ira Telford Moore
Philip Howard Narodick, B.S.
Gus Warlick Neece
Eugene Madison Parker
Joseph Aloysius Patka, B.S.
Samuel Arthur Purves
Reino Hendrick Puumala, B.S.
David Benjamin Radner, B.S.
William John Reed, B.S.
Fred John Roos
Abraham Boris Schubert

Irving Schuman, B.S.
Herman Mayes Schwerer
Norman Silverstein, B.S.
William Robert Sladek, B.S.
Gilbert Elden Smith
Ralph Edgerton Speer
Maurice Stamler, B.S.
Edward Joseph Steiner, B.S.
Joseph B. Teton, B.S.
Samuel Julius Turner, B.S.
Frank Edward Urbanek, B.S.
Harry Fleming Vail, B.S.
Albert Joseph Vesely
Harry Charles Vesely
Frank Burkhart Voris, B.S.
Maxwell Nathan Wacker, B.S.
Irwin Jerome Waldman, B.S.
Joseph Monroe Walker, Jr., B.S.
James Alexander Weatherly
Arthur Rudolph Weihe, B.S.
Morris Weiss
Jack Worthington Welty, B.S., M.S., with Honors
Ernest William Werbel, B.S.
Ernest Bernard Williams, B.S.
James Alfred Winsberg, B.S.
Richard Elroy Westland, B.S.
Albyn Garrett Wolfe, A.B., B.S.
Joseph Alfonso Zalar, B.S.

Conferred July 2, 1934 to May 1, 1935

Michael Ballin, B.S.	December 31, 1934
Harold Carroll Bernstein, B.S.	December 31, 1934
Samuel Leonard Bernstein, B.S.	July 12, 1934
Albert Donald Coyne, B.S.	December 31, 1934
Emanuel J. Feinhandler, B.S.	September 30, 1934
Nathan S. Fox	August 1, 1934
Sam Sigmund Gilbert, B.S.	December 31, 1934
Jacob D. Gottlieb, B.S.	October 5, 1934
Bernard Louis Greene, B.S.	October 7, 1934
Nathan Richard Gusinow, B.S.	July 10, 1934
Ross Edward Herrmann, B.S.	September 30, 1934
Sam Holtzman, B.S.	December 26, 1934
William Francis Jacobs, A.B., B.S.	December 31, 1934
George Thomas Kersey	September 30, 1934
Victor Herbert Karpass, B.S.	February 4, 1935
Jack Kruglick, B.S.	September 30, 1934
Leo Carroll Larkin	December 31, 1934
Samuel J. Lipnitzky	October 21, 1934
Julius Lustig, B.S.	December 31, 1934
Meyer B. Marks, B.S.	December 31, 1934
Isadore Meyers, B.S.	October 31, 1934
Theodore C. Mouzakeotis, B.S.	February 4, 1935
Albert Nehf, B.S.	September 30, 1934
Sol Rome, B.S.	December 31, 1934
Willard Edwin Shinglman, B.S.	December 31, 1934
Paul Gustav Thode, B.S.	December 31, 1934
William Weisdorf, B.S.	September 30, 1934
Solomon Carl Werch, B.S.	December 31, 1934
Irving Ziedman, A.B., B.S.	December 31, 1934
Allan Joseph Zimring, B.S.	December 31, 1934
Nathan Zolt, B.S.	December 31, 1934

Certificate in Medicine

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who, upon the completion of a year of satisfactory interneship in a hospital approved by the University, will be entitled to the degree of Doctor of Medicine.

Presented June 8, 1934

Joel E. Adams
George Henry Agate, B.S.
Elmer Arnold Albers, B.S.
Edward Ragnar Anderson, B.S.
Julius Aronow, B.S.
Abraham Aronson, B.S.
Edwin Francis Baker
Norman Ludlow Baker, B.S.

ELI BARD, B.S.
GEORGE WILLIAM ITZWEIRE BARD, B.S.
EDWARD STUART BAXTER, B.S.
ALFRED PAUL BAY, B.S.
PAUL LINCOLN BEDINGER, A.B., B.S.
MYRON CLYDE BENFORD, B.S.
MARIE KATHERINE BEPKO, B.S.
MAX BERG, M.S.
IRVING BERGER
MAXWELL ROBERT BERNSTEIN, B.S.
CHARLES ARTHUR BILLINGS, A.B.
MELVIN FRANK OTTO BLAUROCK, B.S.
EDWARD VINCENT BOARINI, Ph.C.
WILLIS JULIAN BOGUE, B.S.
EDWARD J. BOMZE, B.S.
MEYER BRODKIN, B.S.
CHARLES EDWARD BROWN, B.S.
DAVID JOSEPH BROWN, B.S.
EARL CLIFFORD BUCHER, B.S.
GEORGE HICKMAN BURKHART
HERSHEL SMITH BURNS, A.B., M.S.
RICHARD THOMAS CALOSIO, B.S.
ROBERT RALPH CITRON, B.S.
WILLIAM A. CLARKE
MORTON IRVING COLE
SIDNEY SOL COHEN, B.S.
ARTHUR EDWIN COOPER
ROBERT PAUL COSEGLIA, B.S.
HARRY MYER CRYSTAL, B.S.
FRANK BENSON DEARDORF, B.S.
HARRY C. DEBOURCY
EDWARD E. DELONG
LUCIUS MATLOCK DILLMAN, B.S., M.S.
BEN BURT ELSTER, B.S.
HAROLD SAMUEL FEINHANDLER, B.S., with Honors
MARSHALL LOUIS FISHER, B.S.
MORRIS E. FOX
VINCENT FREDA, B.S.
JOHN JOSEPH FREEMAN, B.S.
LEON THOMAS FRUIN, B.S.
WILLARD WILSON FULLERTON, A.B., B.S.
AVISON GANO
WILLIAM GERNON, B.S.
ROBERT WAGNER GLENN
HYMAN HARRY GOLDSTEIN, B.S.
HYMAN SAMSON GORDON, B.S.
FRANK GREEN
HENRY ARTHUR GRENNAN, B.S.
JOSEPH GODDARD GUSTAFSON, B.S.
LAURIE JOHN HAKALA
HENRY RUSSELL HALL, B.S.
HENRY ARNOLD HANELIN
JESSE FREELAND HARROLD
KYLE CHESTER HAWKINS, B.S.
NOEL JOHN HERSHEY, B.S.
CLARENCE P. HOLOFFE, B.S.
THEODORE HOLSTEIN, B.S.
LOUIS ALOIS HOLUB, B.S.
JOHN FRANCIS HUFFMAN, B.S.
JEROME JACOB HURWICH, B.S.
MAURICE BERNARD JACOBS, B.S.
HERMAN ROY JOHNSON
TITUS MAURICE JOHNSON, A.B., B.S., M.S.
HAROLD KAHN, B.S., M.S.
SEYMOUR PASS KAIZ
BENJAMIN KAPLAN
MAURICE KAPLAN, B.S.
CHARLES GROVENOR KEIGWIN, B.S.
DAVID KLEIMAN, B.S.
JOHN LOUIS KOZA
ROBERT EUGENE KRAFT, B.S.
IRVING KRAKOWER, B.S.
FRANK HENRY KUCZEWSKI
MITCHELL EDWARD LANGNER
MOREY LAPIN, A.B., B.S.
IRVING HAROLD LEDERMAN, M.S.
CARL JAMES LEHWALD, B.S.
ROBERT GEORGE LEMON, B.S.
MILTON LEVIN, B.S.
WILLIAM FORRESTER MALEY, A.B., B.S.
GLEN ROBERT MARSHALL, B.S.
ROBERT EDGAR MARTIN
JOHN HALEY MATHIS, B.S.
HAROLD O. MEISENHEIMER
WILBUR JUNE MENKE, JR., A.B., B.S.
WALTER ULYSSES MILLER, A.B., M.S.
WILLIAM DEAN MOHLENBROCK
IVA GLENE MURPHY, A.B., with Honors
MITCHELL JOSEPH NECHTOW, B.S.
THOMAS FINN NELSON, B.S.
HARRY HYMAN NIERENBERG, B.S.
PAUL JAMES O'BRIEN, B.S.
WILLIAM FREDERICK OEHLER
HENRY BERNARD OKNER, B.S.
JAMES EMMETT O'MALLEY, B.S., M.S.
FOREST CALEB PARKER
BEN PASS
ALFRED LIONEL PISER, B.S.
IRVING BERNARD RICHTER, B.S.
BERT RIGHTMAN
BROCKWAY ROBERTS, B.S.
DAVID ROSENBLOOM, M.S.
HENRY CARL ROSENSTIEL, B.S.
JOHN BERNARD ROTH, B.S.
CHARLES FRANCIS ROW, A.B., B.S.
REUBEN RUBISOFF, B.S.
MILTON MORRIS SCHEFFLER, B.S.
JOSEPH G. SCHOOLMAN, A.B.
HARRY SCHULTZ, B.S.
HARRY ROBERT SCHWARTZ, B.S., with Honors
JOHN CHAPELL SCULLY, B.S.
ROBERT MAYR SHAGAM, B.S.
HAROLD LOUIS SHINALL, B.S.
MARTHA FRANCES SIMON
ALBERT H. SLEPYAN, B.S.
ANTON SMERZ, B.S., with Honors
CLYDE ORAL THOMAS

Philip Gordon Thomsen
Alex Sol Tulsky, B.S., with Honors
Leonard Wachs, B.S.
David Victor Wachsman, Jr.
Julius Weinberg
Edward H. Weis
Robert E. Widerborg
John Paul Winn, B.S.
Carlton Emil Wittenberg, B.S.
Warren William Young
Walter Jacob Zeiter, B.S.

Presented since June 8, 1934

Glen C. Andersen, B.S.	July 1, 1934
Chester Dale Bradley	June 22, 1934
Maurice Graziano Farinacci, B.S.	February 1, 1935
William Hoffstadter, B.S.	October 1, 1934
Ralph Eugene Rosen, B.S.	September 15, 1934
Ralph Millard Seaton	December 1, 1934
Leroy Thomas Telford	February 6, 1935

Degree of Bachelor of Science

Conferred June 8, 1934

George Harold Ashline
Milton C. Bauman
Charles Edward Brown
Samuel Burack
Joseph Peter Cascino
John Goolsby Cecil
Ralph Chapman
Chester Coggeshall
Irving Favus
Howard Ellsworth Dorton, with Honors
Leona R. Fordon
Alfred Josef Goldstein
Orville E. Gordon
Morris Greenberg
Jack W. Grossman
Samuel A. Gunn
John O. Hanson
George Melvin Harms
John A. Havlicek
Paul Herzog
Allan B. Hirschtick
F. Marion Jacks
Natalia J. Janicki
John Stuart Kapernick
Henry Kaplan
Selig Joel Kavka
John W. Keyes
Alfred J. Klein
William Philip Kleitsch
Alfred John Kreft
Joseph Arthur Kwint
Herman Boris Lander, with Honors
Gilbert G. Lapid
Fred Hunter Lawrence
Edwin H. Lawson
Arthur B. Levan, with Honors
Louis Levin
Milton J. Levisohn
Roland M. Levisohn
Samuel Liebman
Sol Ludmerer
Irwin H. Makovsky
Samuel Marcus
Lloyd L. Matzkin
Simon J. Maydet
Ira Morrison
Mitchell Joseph Nechtow
Everett J. Olenick, with Honors
George Vernon Potter
Oliver Vernon Renaud
Preston Walker Sawyer
Samuel L. Schreiber
John Chapell Scully
Arthur Louis Shapiro
Adam Slaw
Hyman Sydney Steinberg
Isadore Turetsky
Samuel J. Turner
Hymen L. Udesky
Joseph Yanowitz
Chester Wade
Milan Michael Wasick
Francis Joseph Young
Tommy Richard Young
Sidney E. Ziffren
Raymond Dumont Zimont

Conferred in October, 1934

Herbert Jack Apfelberg
Meyer Backer
Maurice Graziano Farinacci
Joseph H. Filip
Jack Finkelstein
Jacob Grossblatt
Philip Rankin Latta
Harold Marks
Louis Schlan
David William Steinberg

Conferred in February, 1935

Samuel Mitchell Bluefarb
Friedy Heisler
Nathan Leonard Hoffenberg
Henry Sargent Howard
Meyer Merle Cutler
Eugene Warren Gessler
Ernest Arthur Kahn
Samuel Nieder
Fred August Quenzer
Samuel S. Reinglass
Frederick Jasper Ricketts
John Richard Taylor

REGISTER OF STUDENTS, 1934-35

Fifth-Year Class—Hospital Appointments

(Unless otherwise noted, hospitals are located in Chicago.)

Adams, Joel E., Knickerbocker Hospital, New York.
Agate, George Henry, Lucas County Hospital, Toledo, Ohio.
Albaum, Joseph, Edgewater Hospital.
Albers, Elmer Arnold, Grant Hospital.
Andersen, Glen C., Roseland Community Hospital.
Anderson, Edward Ragnar, West Suburban Hospital, Oak Park, Illinois.
Aronow, Julius, Cook County Hospital.
Aronson, Abraham, Mount Sinai Hospital.
Baker, Edwin Francis, University Hospital.
Baker, Norman Ludlow, Cook County Hospital.
Bard, Eli, Cook County Hospital.
Bard, George William Itzweire, Cook County Hospital
Baxter, Edward Stuart, Research and Educational Hospital.
Bay, Alfred Paul, Research and Educational Hospital.
Bedinger, Paul Lincoln, Ancker Hospital, St. Paul, Minnesota.
Benford, Myron Clyde, Lutheran Deaconess Hospital.
Bepko, Marie Katherine, American Hospital.
Berg, Max, Kankakee State Hospital, Kankakee, Illinois; Los Angeles County Hospital, Los Angeles, California.
Berger, Irving, Cook County Hospital.
Bernstein, Maxwell Robert, Los Angeles County Hospital, Los Angeles, California.
Billings, Charles Arthur, Research and Educational Hospital.
Blaurock, Melvin Frank Otto, Research and Educational Hospital.
Boarini, Edward Vincent, St. Mary's Hospital, Detroit, Michigan.
Bogue, Willis Julian, Lancaster General Hospital, Lancaster, Pennsylvania.
Bomze, Edward J., Cook County Hospital.
Bradley, Chester Dale, Milwaukee County Hospital, Milwaukee, Wisconsin.
Brodkin, Myer F., St. Mary's Hospital, East St. Louis, Illinois.
Brown, Charles Edward, Mercy Hospital, Cedar Rapids, Iowa.
Brown, David Joseph, St. Joseph's Hospital, St. Joseph, Missouri.
Bucher, Earl Clifford, Englewood Hospital.
Burkhart, George Hickman, Englewood Hospital.
Burns, Herschel Smith, Los Angeles County Hospital, Los Angeles, California.
Calosio, Richard Thomas, St. Francis Hospital, Evanston, Illinois.
Citron, Robert Ralph, Los Angeles County Hospital, Los Angeles, California.
Clark, William A., Pasadena Hospital, Pasadena, California.
Cohen, Sidney Sol, American Hospital.
Cole, Morton Irving, Los Angeles County Hospital, Los Angeles, California.
Cooper, Arthur Edwin, Grant Hospital.
Coseglia, Robert Paul, St. Mary's Hospital, Detroit, Michigan.
Crystal, Harry Myer, Mt. Sinai Hospital.
Deardorff, Frank Benson, Research and Educational Hospital.
DeBourcy, Harry C., Mercy Hospital, Davenport, Iowa.
DeLong, Edward E., Missouri Methodist Hospital, St. Joseph, Missouri.
Dillman, Lucius Matlock, Kansas City General Hospital, Kansas City, Missouri.
Elster, Ben Burt, Cook County Hospital.
Farinacci, Maurice Graziano, Jackson Park Hospital.
Feinhandler, Harold Samuel, Chicago State Hospital, Dunning, Illinois; Michael Reese Hospital.
Fisher, Marshall Louis, Cook County Hospital.
Fox, Morris E., Chicago State Hospital, Dunning, Illinois; Cook County Hospital.
Freda, Vincent, Grant Hospital.
Freeman, John Joseph, St. Anne Hospital.
Fricke, John William, Southern Pacific General Hospital, San Francisco, California.
Fruin, Leon Thomas, Santa Rosa Hospital, San Antonio, Texas.
Fullerton, Willard Wilson, St. Joseph Hospital.
Gano, Avison, Hackley Hospital, Muskegon, Michigan.
Gernon, William, Augustana Hospital.
Glenn, Robert Wagner, Santa Clara County Hospital, San Jose, California.
Goldstein, Hyman Harry, Elgin State Hospital, Elgin, Illinois; Cook County Hospital.
Gordon, Hyman Samson, Edgewater Hospital.
Green, Frank Bernard, St. Mary of Nazareth Hospital.
Grennan, Henry Arthur, St. Francis Hospital, Evanston, Illinois.
Gustafson, Joseph Goddard, Milwaukee County General Hospital, Wauwautosa, Wisconsin.
Hakala, Laurie John, Henry Ford Hospital, Detroit, Michigan.
Hall, Henry Russell, Orange County General Hospital, Orange, California.
Hanelin, Henry Arnold, Chicago State Hospital, Dunning, Illinois; Cook County Hospital.
Harrold, Jesse Freeland, St. Luke's Hospital.
Hawkins, Kyle Chester, Garfield Park Hospital.
Hershey, Noel John, Cleveland City Hospital, Cleveland, Ohio.
Hoffstadter, William, Edgewater Hospital.
Holoffe, Clarence P., San Diego County General Hospital, San Diego, California.
Holstein, Theodore, Los Angeles County General Hospital, Los Angeles, California.
Holub, Louis Alois, Research and Educational Hospital.
Huffman, John Francis, Epworth Hospital, South Bend, Indiana.
Hurwich, Jerome Jacob, Michael Reese Hospital.
Jacobs, Maurice Bernard, Cook County Hospital.
Johnson, Herman Roy, Lakeview Hospital.
Johnson, Titus Maurice, Research and Educational Hospital.
Kahn, Harold, Los Angeles County Hospital, Los Angeles, California.

Kaiz, Seymour Pass, Cook County Hospital.
Kaplan, Benjamin, American Hospital.
Kaplan, Maurice, Receiving Hospital, Detroit, Michigan.
Karpass, Victor Herbert, Woodlawn Hospital; St. Mary's Hospital, Minneapolis, Minnesota.
Keigwin, Charles G., West Suburban Hospital, Oak Park, Illinois.
Kleiman, David, American Hospital.
Koza, John Louis, St. Anne's Hospital.
Kraft, Robert Eugene, Research and Educational Hospital.
Krakower, Irving E., Cedars of Lebanon Hospital, Los Angeles, California.
Kuczewski, Frank Henry, Columbus Hospital.
Langner, Mitchell Edward, St. Elizabeth's Hospital.
Lapin, Morey, Cook County Hospital.
Lederman, Irving Harold, Los Angeles County Hospital, Los Angeles, California.
Lehwald, Carl James, City Hospital, Akron, Ohio.
Lemon, Robert George, Ancker Hospital, St. Paul, Minnesota.
Levin, Milton, St. Mary's Hospital.
Maley, William Forrester, St. Anne's Hospital.
Marshall, Glenn Robert, Ancker Hospital, St. Paul, Minnesota.
Martin, Robert Edgar, City Hospital, St. Louis, Missouri.
Mathis, John Haley, Ancker Hospital, St. Paul, Minnesota.
Meisenheimer, Harold O., West Suburban Hospital, Oak Park, Illinois.
Menke, Wilber June, St. Mary's Hospital, Detroit, Michigan.
Miller, Walter Ulysses, Grant Hospital.
Mohlenbrock, William Dean, City Hospital, St. Louis, Missouri.
Mouzakeotis, Theodore C., Cook County Hospital.
Murphy, Iva Glene, Los Angeles County Hospital, Los Angeles, California.
Nechtow, Mitchell Joseph, Lutheran Memorial Hospital.
Nelson, Thomas Finn, St. Louis University Hospital, St. Louis, Missouri.
Nierenberg, Harry Hyman, Cook County Hospital.
O'Brien, Paul James, St. Joseph's Infirmary, Louisville, Kentucky.
Ocasek, William, Grant Hospital.
Oehler, William Frederick, Illinois Central Hospital.
Okner, Henry Bernard, Garfield Park Community Hospital.
O'Malley, James Emmett, St. Joseph's Hospital, Baltimore, Maryland.
Parker, Forest Caleb, St. Francis Hospital, Evanston, Illinois.
Pass, Ben, Frances E. Willard Hospital.
Piser, Alfred Lionel, Edgewater Hospital.
Richter, Irving Bernard, Cook County Hospital.
Rightman, Bert, Frances E. Willard Hospital.
Roberson, William Victor, City Hospital, St. Louis, Missouri.
Roberts, Brockway D., Henry Ford Hospital, Detroit, Michigan.
Rosen, Ralph, Cook County Hospital.
Rosenbloom, David, Cook County Hospital.
Rosenstiel, Henry Carl, Ancker Hospital, St. Paul, Minnesota.
Roth, John Bernard, Cook County Hospital.
Row, Charles Francis, Santa Barbara General Hospital, Santa Barbara, California.
Rubisoff, Reuben, Mount Sinai Hospital.
Scheffler, Milton Morris, Cook County Hospital.
Schoolman, Joseph G., Mount Sinai Hospital.
Schultz, Harry, Elgin State Hospital, Elgin, Illinois; Los Angeles County Hospital, Los Angeles, California.
Schwartz, Harry Robert, Michael Reese Hospital.
Scully, John Chapell, Evanston Hospital, Evanston, Illinois.
Seaton, Ralph Millard, Santa Barbara General Hospital, Santa Barbara, California.
Shagam, Robert Mayr, Woodlawn Hospital.
Shinall, Harold Louis, University Hospital.
Simon, Martha Frances, Research and Educational Hospital.
Singer, Sol, St. Catherine's Hospital, East Chicago, Indiana.
Slepyan, Albert H., Cook County Hospital.
Smerz, Anton, St. Luke's Hospital.
Telford, Leroy Thomas, City Hospital, St. Louis, Missouri.
Thomas, Clyde Oral, Ideal Hospital, Endicott, New York.
Thomsen, Philip Gordon, Ravenswood Hospital.
Tulsky, Alex Sol, Michael Reese Hospital.
Wachs, Leonard, St. Elizabeth's Hospital.
Wachsman, David Victor, Bishop Clarkson Memorial Hospital, Omaha, Nebraska.
Weinberg, Julius, Jackson Park Hospital.
Weis, Edward H., Evangelical Hospital.
Widerborg, Robert E., Illinois Central Hospital.
Winn, John Paul, Grant Hospital.
Wittenberg, Carlton Emil, Englewood Hospital.
Young, Warren William, Research and Educational Hospital.
Zeiter, Walter Jacob, Englewood Hospital.

Fourth-Year Class, 1934-35

Adland, Samuel Alfred, B.S.
Appel, Ben A.
Ash, Alfred Stone
Baer, Emily, B.S.
Barys, Harold Joseph
Becker, Oscar Jacob
Beecher, Merrill Charles
Berke, Robert David
Blaufuss, Armin Louis, Ph.C.
Bowers, Daniel Edward
Brotman, David Marvin
Carr, Herman John Edward
Carter, Robert Vernon
Chabner, Louis
Cohn, Isadore Hymen, B.S.
Coleman, Clement Clark, B.S.
Colyer, George Edward, A.B., B.S.
Deutsch, Nathan Solomon, B.S.
Dobin, Norman, B.S.
Dubofsky, Sidney Harvey
Edel, Frank Wayne, A.B.
Faden, Gerson, A.B.
Farinacci, Maurice G., B.S.[1]
Fitzpatrick, Thomas J.
Foulke, Lawrence Edward, B.S.
Friedenberg, Robert, A.B.
Gallati, Cyril Melchoir
Gaynes, Harvey Enoch, B.S.

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[1] First semester only.

Geever, Erving Francis, B.S.
Gilman, George, A.B., B.S.
Glassman, Jacob A., B.S.
Globerson, Irwin
Goldberg, Aaron Louis
Goldfine, Manuel, B.S.
Gordon, Marion Lee
Gorodazky, Abraham, B.S.
Greco, Vincent James
Grossman, Maurice O., A.B., B.S.
Gunther, Aaron, B.S.
Hack, Rudolf William, A.B., B.S.
Hahn, Jacob Francis, B.S.
Harris, Zigmore, B.S.
Hassen, Irving
Haverstock, Richard Teal, B.S.
Hawkes, James Henry
Hepner, Paul E., B.S.
Hill, George Ray
Howard, Henry Sargent, B.S.
Hughes, Kenneth Franklin, B.S.[1]
Hunkel, Victor H., Ph.B.
Ireneus, Carl, Jr., B.S.
Jamison, Garland Uriah, A.B.
Johnstone, John Hick, B.S.
Kaeiser, William Henry
Kaminskas, Joseph T.
Karel, Jack, B.S.
Katz, Charles, B.S.
Kaufman, Jerome D.
Keller, Robert Stephen
Keppleman, George Kieve, B.S.
Klein, Adelbert Herman, B.S.
Knudsen, William Nelk, A.B.
Koch, Harold Jay, B.S.
Kravtsow, George Lewis, B.S.
Krieger, Sherburne, B.S.
Kunde, Emerson C., A.B., B.S.
Kurth, Milton Elmer, B.S.
Kwedar, Albert Thomas, B.S.
Lang, Herbert, B.S.
Lazar, Harry, B.S.
Lerner, Louis Samuel, B.S.
Levine, Sydney S., B.S.
Lockwood, William Wayne, B.S.
Lome, Daniel
MacEachern, Katherine Hypatia, B.S.
Makovsky, Irwin Harry, B.S.
Marks, Harold Louis, A.B., B.S.
Mason, Aaron Shiya, B.S.
Messman, Lorrell Edward, B.S.
Morrison, Ira Robert, A.B., B.S.
Murphy, James Joseph, B.S.
Nelson, Charles Arthur
Nieder, Samuel, B.S.
Nix, Winston K.
Olson, Franklin Arnold, B.S.
Parke, John, B.S.
Platt, Matthew
Plotkin, Oscar Mandel, B.S.
Price, Harold, Ph.G.
Price, Leonard, B.S.
Raider, Joseph
Reynolds, James Stedman, B.S.
Rhea, Keith, B.S.
Ricketts, Frederick Jasper, B.S.
Rooth, Sidney Sigmund, B.S.
Rosen, Benjamin Bernard
Rosen, Irving Isadore, B.S.
Rosenberg, Jack
Rosenberg, Samuel William
Rosenthal, Irving Hyman, B.S.
Sachs, Mandel
Salberg, Seymour, B.S.
Schettler, Robert Edward, B.S.
Schiller, Herbert A., Ph.C., B.S.
Schilsky, John Lavine, B.S.
Schneider, Kenneth Fosnes, B.S.
Schwade, Leonard Jerome
Sedlak, Frank C.
Seifert, William Frederick
Shimkus, Alexander Joseph, B.S.
Shulruff, Harry I., B.S.
Siegfried, Joseph Howard
Sievers, Jerome Joel, Ph.G.
Sigler, Robert James, B.S.
Silbert, David
Silvert, Pasche
Slaughter, Danely Philip, B.S.
Slavin, Manuel, A.B.
Smith, Clarence William, Ph.C., Ph.G.
Sondag, Roger Francis, B.S.
Sorenson, Raymond Elmer, B.S.
Spiller, Adelbert L., B.S.
Spira, Bertram, B.S.
Steer, Albert Elon, B.S.
Stein, Albert Frank, B.S.
Stevenson, Richard Vawter, B.S.
Stout, Samuel Lloyd, Ph.C.
Tappan, Edward A., B.S.
Tasch, Aloysius Felix, B.S.
Taubert, Russell Kenneth
Tesar, Frank Joseph, B.S.
Tinsley, Milton, B.S.
Wagner, Jack
Waisman, Morris, B.S.
Weissman, Leonard, B.S.
White, Raymond Benedict, A.B., B.S.
Wunsch, Charles LeRoy

Third-Year Class, 1934-35

Alion, John Joseph
Altman, Harrie Pond, Jr.
Apfelberg, Herbert Jack, B.S.
Ashline, George H., A.B., B.S.
Backer, Meyer, Ph.C., B.S.
Baumann, Milton Charles, B.S.
Berman, Arthur
Bielski, John Anthony
Bluefarb, Samuel Mitchell, B.S.
Bohr, George Wencil
Boros, Harold Henry, B.S.
Brodsky, Abraham
Bucher, Ray Elwood
Bunchman, Lester Paul
Burack, Samuel, B.S.
Burdick, Maurice Saul, B.S.
Burns, Edward Maurice, B.S.
Cascino, Joseph Peter, B.S.
Cecil, John Goolsby, B.S.
Chapman, Ralph R., B.S.
Coggeshall, Chester, B.S.
Cutler, John Lewis, B.S.
Cutler, Meyer Merle
Darling, Duane Delbert, B.S.
Diamond, Sidney Alfred, B.S.
Dorton, Ellsworth, B.S.
Einhorn, Benjamin, B.S.
Favus, Irving, B.S.
Feldman, Paul Edward, B.S.
Ferrell, Robert V.
Filip, Joseph H., B.S.
Finkelstein, Jack, B.S.
Fleischer, Jacob, B.S.
Fordon, Leona R., B.S.
Friedman, Harold S., B.S.
Gessler, Eugene Warren, B.S.
Goldstein, Alfred Josef, B.S.
Goran, Joseph Robert
Gordon, Orville Eugene, B.S.
Goshgarian, Gasper Asa
Greenberg, Morris, B.S.
Grossblat, Jacob

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[1] First semester only.

Grossman, Jack William, B.S.
Gunn, Samuel Albert, B.S.
Hanson, John Olaf, B.S.
Harms, George Melvin, B.S.
Havlicek, John A., B.S.
Heisler, Friedy, B.S.
Heritage, Wade Frederick, B.S.
Herzog, Paul, B.S.
Hilkevitch, Aaron Arthur, B.S.
Hirschtick, Allan Bonner, B.S.
Hlavacek, Louis Joseph, B.S.
Hoffenberg, Nathan Leonard, B.S.
Horsman, Maurice Thomas
Horst, Elfriede, B.S.
Huff, Harold Dale
Hutchison, William Addison
Jacks, Francis Marion, B.S.
Janicki, Natalia Julia, B.S.
Josephson, Harry
Kahn, Ernest Arthur, B.S.
Kalal, Elmer
Kapernick, John Stuart, B.S.
Kaplan, Henry, B.S.
Kaplan, Leo Abraham
Kavka, Selig Joel, B.S.
Keyes, John Wesley, B.S.
Klein, Alfred Joseph, B.S.
Klein, Ernest Sol
Kleitsch, William Philip, B.S.
Krause, Charles Donald
Kreft, Alfred John, B.S.
Kuhlman, Ralph
Kurvinen, Corinne, B.S.
Kwint, Joseph Arthur, B.S.
Lander, Herman Boris, B.S.
Lane, Paul Lilja, D.D.S.
Lapid, Gilbert George, B.S.
Lasinsky, Harry
Latta, Philip Rankin, B.S.
Lawrence, Fred Hunter, A.B., B.S.
Lawson, Edwin H., A.B., B.S.
Levan, Arthur Bernard, B.S.
Levin, Louis, B.S.
Levisohn, Milton J., B.S.
Levisohn, Roland M., B.S.
Liebman, Samuel, B.S.
Ludmerer, Sol, B.S.
McVey, Emerson King
Marcus, Samuel, B.S.
Matzkin, Lloyd Louis, B.S.
Maydet, Simon J., B.S.
Miller, Nathan Harry
Mooney, Felix Patrick
Motel, William Goodrich, B.S.
Neuchiller, Bernard Benjamin
Olenick, Everett, B.S.
Palmer, Edward, Ph.B.
Peal, Leonard
Peterson, Arthur Karl, B.S.
Poska, Theodore Algird, B.S.
Potter, George Vernon, B.S.
Quenzer, Fred August, B.S.
Reinglass, Samuel S., B.S.
Renaud, Oliver Vernon, B.S.
Robinson, Stanley Everett
Rubin, Herbert Edgar, B.S.
Sawyer, Preston Walker, B.S.
Schlan, Louis, B.S.
Schmidhofer, Ernst, Jr.
Schreiber, Samuel Louis, Ph.C., B.S.
Schwartz, Joseph, B.S.
Segenreich, Harry, B.S.
Shapiro, Arthur Louis, B.S.
Shmigelski, Irene
Slaw, Adam, B.S.
Stastny, John Wallace, B.S.
Steinberg, David William, B.S.
Steinberg, Harold
Steinberg, Hyman Sydney, B.S.
Stern, David Henry
Sukis, Anthony
Taylor, John Richard, B.S.
Telser, Stanley Edward, A.B.
Trotter, Jay Donald
Turetsky, Isadore, B.S.
Udesky, Hymen Leon, B.S.
Wade, Chester Eustace W., B.S.
Walsh, William Stanley
Wasick, Milan Michael, B.S.
Weil, Leonard
Weinberg, Jack
Weller, Ross R., A.B.
Wyngarden, Clarence Benjamin, B.S.
Yanovitz, Joseph, B.S.
Young, Francis, B.S.
Young, Tommy Richard, B.S., A.B.
Zeldes, Mary, A.B.
Zelik, William Bernard, B.S.
Ziffren, Sidney Edward, B.S.
Zimont, Raymond Dumont, B.S.

Second-Year Class, 1934-35

Abrams, Morris
Argentar, Albert Harry
Atkinson, Willis H.[2]
Baker, Dorothy Muriel
Barbakoff, Arthur
Berger, Samuel
Bernstein, Sidney Morris
Biddlecombe, Duncan
Bielinski, Brunon,[1] A.B., B.S.
Boland, John Dempsie
Brown, Bruce Morgan
Brown, Leo Jerome, B.E.
Buck, Leonard S.
Burley, Robert DeForrest
Bush, George
Cassidy, Alfred H., B.S.
Chapman, Bernard Manuel
Cohen, Meyer Barney
Cohen, Theodore M.
Cohrs, Clarence
Davis, Earl S.
Dearborn, Robert Fuller
Desulis, Bruno Anton
DeTrana, Frank
Deutsch, Harry Louis
Dick, Donald, A.B.
Ditkowsky, Sol Paul
Dulin, Theodore
Duncan, Katherine
Dunn, Maurice
Eisendorf, Lester H.
Elliott, Raymond K.
Fabian, Sidney
Faigle, Ernest Theodore, Ph.C.
Faingold, Joseph, Ph.C.
Falconer, Everett G.
Falk, Philip
Feldman, Abraham William
Firfer, Bourke
Fleischli, Franz Karl
Fox, Robert George
Frank, Mitchell L.
Freeman, Wendel R.
Fromm, Rose
Fuqua, Harold Boyd, A.B.
Ganansky, Irwin
Gertz, George Joseph David
Gilman, William Nimmo, A.B.
Gladstone, Herman
Glassman, Max Marcus
Goldt, Henry B.
Green, Abraham D.

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[1] First semester only.
[2] Second semester only.

Grossman, Milton D.
Hamilton, Eugene G.
Hammatt, Harold Wayne
Heaton, John Richard
Heinrich, Jerome Frederick
Hess, Edmund R.
Heyer, Howard E.
Hora, James Leopold, Ph.C.
Isovitz, Isadore
Jackman, Abraham Izzak
Jacobs, Henry Joseph
Janis, Joseph C., A.B.
Jenkins, Hilerd Westley
Kagen, Leonard Alvin
Kaiser, Jerome[2]
Kannapel, Lowell E., A.B.
Kantor, Samuel, B.S.
Kaplan, Isadore A.
Kaplan, Joseph H.
Kaplan, Max, A.B.
Kelly, Delbert Cleo[1]
Kinser, Walter C.
Kinzer, Richard Ernest
Klapman, Martin J.
Klokke, Karl, B.S.
Kobrinsky, Meyer
Kolb, Leonard Hyman
Kotas, Walter S., B.S.
Kushner, Meyer[2]
Kuznitsky, Meyer
Kvidera, George J.
Lack, Herbert
Lakin, Herbert Sol, B.S.
Lattuada, Henry Peter
Lenz, Charles Richard, Jr., B.S.
Lepak, Alfred Joseph
Lerner, Milton
Levenson, Joseph Milton
Levin, Myron Jame
Levine, Edward
Lipschultz, Bernard M.
Logsdon, Robert
Long, Gabe
Lorber, Maurice, B.S.
Lorber, Victor, B.S.
Luke, Edward Albert
Madison, Burle Beauregard
Marcus, Philip Milton
McInerney, Thomas Anthony, B.S.
Mehlman, Jerome, A.B.
Melamed, Abraham
Mitchell, Joseph Rudolph
Moisant, Bernard E.
Moldavsky, Leon F., M.S.
Mosher, Martin Luther
Murphy, Raymond B., B.S.
Nagoda, Edward Joseph
Nielsen, Ernest M., B.S.
O'Connor, Dorothy Kathryn, A.B.
Olsman, Louis
O'Neill, Paul Joseph, M.S.
Overholser, John Dwight, A.B.
Palumbo, Carl
Pearlman, Sol, Ph.B.
Peck, Hyman, Ph.C.
Perrella, Edward Joseph
Peters, Clifford Henry
Peterson, Paul Quayle
Prucher, Louis
Reeser, Wayne
Reifler, Reuben M., Ph.G.
Robin, Milton
Rosenberg, William
Rosenblatt, Albert Hessel
Rothschild, Robert R.
Ryan, Harry Osbourne, Jr.
Salberg, Arthur Keller
Sanders, Zal
Sauer, Francis Eugene
Scannell, Margaret Mary
Schwartz, Walter William
Shriner, Walter
Sirles, Wayne P.
Smith, Herschel Stanley, A.B.
Smollar, Leo
Solander, Carl
Sosson, Edward
Spencer, Robert Andrew
Spinka, Isadore
Spira, Samuel
Steinbock, Henry Fred
Steiner, William Edward
Stevens, Robert Healy
Suttie, Grant
Svetanov, Vladimir
Sweitzer, Caesar, B.S.
Tavris, Hyman
Teborek, Roy Frank
Tobias, Milton R.
Trummell, Russell Groves, M.S.
Walker, Glen Hall
Waller, James Bruce
Wasserman, David
Wasserman, Reuben Robert
Weichselbaum, Paul K.
Weiner, Harry I.
Weissman, Charles G.
Williams, Maybelle P., B.S.
Williamson, Ben K., B.S.
Winer, Allen E.
Wright, William H.
Ziegler, Dillman Forbes
Zuska, Joseph John

First-Year Class, 1934-35

Adler, Edmund Roy
Albin, Meyer S.
Atherton, Clifford Worden
Bailis, Jack Mark
Baker, William Green, A.B.
Ballou, John William
Barnett, Harold
Baumgartner, Wilbur Whittier, B.S.
Benson, Raymond Emanuel
Berkelhamer, Ralph C.
Bernstone, Mark
Blaha, George Charles, B.S.
Bond, C. Spencer
Borad, Martin Bernard
Bowman, John August, Jr.
Brazda, Ctimir Silas, D.D.S.
Brooks, Jack E.
Brown, Paul Hart, B.S.
Brown, William John
Cantor, Bernard
Carlin, George Whitham
Christian, Horace Pearse
Clapp, John Arthur
Cohenour, Robert Elmer
Cohn, Arnold M.
Cohn, Philip Edward
Collins, Jerre Churchill, Jr.
Coopersmith, Bernard I.
Dolan, Patrick Thomas, Jr.
Donoghue, Edmund Roche
Dorris, Victor Murphy
DuVigneaud, DeSales Giullaume
Eagleston, Fred Leroy, Jr.
Ehrlich, Alfred Stuart
Einhorn, Harold
Falk, Alfred Bernard

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[1] First semester only.
[2] Second semester only.

Fantus, Robert Alan
Fash, James Cone
Feinberg, Kenneth Hirsch
Feldman, Edward G.
Finkelstein, Fannie
Fisher, Leah
Flexman, Edmund Arthur, A.B.
Fort, Richard George
Friedman, Isadore
Friedman, Jack
Friedman, Leonard David
Fruin, Richard Lawrence
Gayer, Thomas Francis
Gerber, Sam T.
Goder, George Augustus[2]
Goldman, Samuel[1]
Goldstein, Robert Maurice[2]
Gradman, Ralph
Greenberg, Adeline S.
Gregory, Gus Devatenos
Grubman, Marvin
Gutman, Emil A., B.S.
Haftkowski, Dominic Joseph
Hagele, Marie Anna, B.S.
Hallett, Joseph Jacob
Hamilton, Earl Douglas
Handwerger, Irving
Hanks, Thrift Gene
Hanson, Martin Franklin
Hart, Robert Dean
Harvey, Joseph William[1]
Haskins, Jack Tilden
Havranek, James C.
Hayes, Rowine Mae
Haynes, Walter George
Hecker, Robert C.
Helfrich, Loring Smith, B.S.
Herron, Harold
Herzberg, Fred,[1] D.D.S.
Herzberg, Milton
Horwitz, Moris
Howard, Wayne Cox, B.S.
Irons, Edward Pace
Iuppa, Nicholas Victor
Janus, Arthur Israel, B.S.
Jedlicka, Frank Louis
Jensik, Robert J.
Joffe, Herman
Kemp, Karlton Hubert
Kerman, Willard Z.
Klein, Louis L.[1]
Klein, Max
Knanishu, Jacob[2]
Kruglick, Meyer
Lambert, Edward Howard
Lapid, Louis Sanford
Lerner, Sydney Alexander
Leverenz, Carleton Walter, R.Ph.
Levin, Jack, Ph.C.
Little, Ellis Beecher
Litvin, Maurice D.[1]
Lubin, Jerome Jack
Malow, Louis
Mankowski, Stanley Joseph
Maurits, William John, Jr.[1]
Menaker, Gerald Joseph
Merret, Russell John
Meyer, Benjamin Samuel, Ph.B.
Miller, Herbert Samuel
Modica, Charles S.[1]
Moore, George E., A.B.
Mulvill, James Edward,[1] B.S.
Murphy, Thomas Aloysius
Myer, Morris S.[1]
Nesmith, Harry DeWitt[2]
Nowak, Henry Joseph, B.S.
O'Connor, John William
Olson, Stanley William, B.S.
O'Neil, George Joseph
Paleias, Robert Leonard[1]
Pearlman, Maurice D.
Peltzer, Wesley Eugene
Peterson, Lawrence William
Petkus, Antonie[2]
Petrakos, Harry Nick
Pierce, James Donald
Piper, William Nelson, Jr.
Pistorius, Kenneth Lewis
Popilsky, Harry I.
Premuda, Franklin Fred[2]
Purvey, Jack Compton
Requarth, William Henry
Rest, David, B.Mus.Ed.
Ricewasser, Henry, A.B.
Ricketts, Marion Masters
Rodman, Irving[1]
Rosanova, Albert
Rosenthal, Morris M.
Rothenberg, Harold J.
Rushakoff, Oscar
Ryde, Robert Emerson
Sandor, Abraham, B.S.
Sargent, William Farthing
Sazama, Frank Joseph
Schaffer, Bernard J.
Schub, Charles M.[1]
Schwartz, Merle Harold, A.B.
Sheagren, John Wesley
Shelley, Joseph Bernard[1]
Shnitzer, Theodore (Deceased February 8, 1935)
Shulman, Myer
Silbert, Irving Morris[1]
Simpson, Frederick Glendall
Smith, Lester Lawrence, B.S.
Sneider, Milton Jerome
Stahl, Charles Frederick
Steininger, Joseph Francis
Stubenrauch, Charles Henry
Swatek, Albert Frederick
Swensson, Everett Anders
Tauber, Sydney William
Taylor, Jack
Teitelbaum, Harold[1]
Tepper, Leo
Tepper, Sidney Merrill
Tesarik, Annette
Thompson, John Vernon
Varraveto, Anita[2]
Von Asch, George Frederick
Wagner, Merrill Weinert
Wallace, John Keay, II
Walter, Jacob
Waniata, George Norman, Ch.E.
Warshell, Arnold Harris[2]
Weinberg, Benjamin A.
Weinstein, Roy Cyril
Weintraub, Jerome
Welfeld, Jack Arnold[1]
Wienman, George Joseph
Williams, Fred Miller
Williger, Irwin Fox
Wilson, Scottie Jackston, B.S.
Winters, Kenneth John, A.B.
Yaffe, Bernard
Yemm, Warren Ashley

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[1] First semester only.
[2] Second semester only.

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

GRADUATE COURSES IN MEDICINE AND DENTISTRY

Departments of Anatomy; Dental Histology; Dental Therapeutics; Dermatology; Juvenile Behavior; Laryngology, Rhinology, and Otology; Medicine; Metallurgy; Neuropsychiatry; Obstetrics and Gynecology; Ophthalmology; Oral Surgery; Orthodontia; Orthopaedics; Pathology and Bacteriology; Pediatrics; Pharmacology; Physiological Chemistry; Physiology; Surgery.

Announcement of
Summer Session of 1935, June 10 to August 31
and Session of 1935-36

GRADUATE SCHOOL CALENDAR

Summer Session

1935

June 8, Saturday	Registration day.
June 10, Monday	Summer Session begun.
July 4, Thursday	A legal holiday.
August 6, Tuesday, 12 M.	Last day for candidates for degrees in August to deposit theses.

First Semester

September 16, Monday	Last day for candidates for masters' degrees in October to file applications for degrees and to deposit theses.
October 2-3, Wednesday, Thursday	Registration days.
November 27, Wednesday, 12 M.	Thanksgiving recess begun.
December 2, Monday, 8 A.M.	Instruction resumed.
December 21, Saturday, 5 P.M.	Holiday recess begun.

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January 2, Thursday, 8 A.M.	Instruction resumed.
January 17, Thursday	Last day for filing applications for masters' degrees to be conferred in February, and last day for candidates for masters' and doctors' degrees in February to deposit theses.

Second Semester

February 5-6, Wednesday, Thursday	Registration days.
April 9, Thursday, 6 P.M.	Easter recess begun.
April 13, Monday, 8 A.M.	Instruction resumed.
April 30, Wednesday	Last day for filing applications for masters' degrees to be conferred in June.
May 11, Monday	Last day for candidates for doctors' degrees in June to deposit theses.
May 13, Wednesday	Last day for candidates for masters' degrees in June to deposit theses.
May 13, Wednesday	Last day for filing applications for masters' degrees to be conferred in August.
June 5, Friday, 10:30 A.M.	Annual Commencement.

EXECUTIVE FACULTY OF THE GRADUATE SCHOOL[1]

1935-36

ARTHUR CUTTS WILLARD, B.S., D.Eng., LL.D., *President of the University*

ROBERT DANIEL CARMICHAEL, Ph.D., *Professor of Mathematics and Dean of the Graduate School*
THOMAS WHITFIELD BALDWIN, Ph.D., *Professor of English*
CLARENCE ARTHUR BERDAHL, Ph.D., *Professor of Political Science*
ERNEST LUDLOW BOGART, Ph.D., *Professor of Economics*
DAVID JOHN DAVIS, M.D., Ph.D., *Professor of Pathology and Dean of the College of Medicine*
COLEMAN ROBERTS GRIFFITH, Ph.D., *Associate Professor of Education*
WHITNEY CLARK HUNTINGTON, M.S., C.E., *Professor of Civil Engineering*
FRANCIS WHEELER LOOMIS, Ph.D., *Professor of Physics*
HAROLD HANSON MITCHELL, Ph.D., *Professor of Animal Nutrition*
HERBERT FISHER MOORE, M.E., M.M.E., D.Sc., *Research Professor of Engineering Materials*
WILLIAM SPENCE ROBERTSON, Ph.D., *Professor of History*
WORTH HUFF RODEBUSH, Ph.D., *Professor of Physical Chemistry*
RAYMOND STRATTON SMITH, Ph.D., *Professor of Soil Physics*
CHARLES ZELENY, Ph.D., *Professor of Zoology*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

DAVID JOHN DAVIS, M.D., Ph.D., *Chairman*
FREDERICK BOGUE NOYES, A.B., D.D.S., D.Sc.
HUGH ALISTER MCGUIGAN, Ph.D., M.D.
FREDERICK HOWARD FALLS, M.S., M.D.
WILLIAM HENRY WELKER, A.C., Ph.D., *Secretary*

THE TEACHING FACULTY IN MEDICINE AND DENTISTRY[2]

1934-35

DAVID JOHN DAVIS, M.D., Ph.D., *Dean of the College of Medicine, Professor of Pathology, Head of the Department of Pathology, Bacteriology, and Public Health, and Director of Graduate Work in Medicine*
WILLIAM HENRY WELKER, A.C., Ph.D., *Professor of Physiological Chemistry and Head of the Department*
HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor of Pharmacology, Materia Medica, and Therapeutics and Head of the Department*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, consisting of the Dean of the Graduate School, three members elected by the Teaching Faculty, and ten additional members appointed by the President of the University after consultation with the Dean and the elected members.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

OTTO FREDERICK KAMPMEIER, Ph.D., M.D., *Professor of Anatomy and Head of the Department*

FREDERICK BROWN MOOREHEAD, D.D.S., M.D., M.S., *Professor of Oral Surgery and Head of the Department of Oral and Plastic Surgery and Oral Pathology*

WILLIAM F. PETERSEN, B.S., M.D., *Professor of Pathology*

FREDERICK BOGUE NOYES, A.B., D.D.S., D.Sc., *Dean of the College of Dentistry, Professor of Orthodontia, Head of the Department, and Director of the Children's Clinic*

OLAF BERGEIM, Ph.D., *Associate Professor of Physiological Chemistry*

ALBERT BACHEM, Ph.D., *Professor of Biophysics*

FREDERICK HOWARD FALLS, M.S., M.D., *Professor of Obstetrics and Gynecology and Head of the Department*

JULIUS HAYES HESS, M.D., *Professor of Pediatrics and Head of the Department*

FRANCIS EUGENE SENEAR, B.S., M.D., *Professor of Dermatology and Head of the Department*

LLOYD ARNOLD, A.M., M.D., *Professor of Bacteriology and Public Health*

WALTER JOHN RICHARD CAMP, M.D., Ph.D., *Associate Professor of Pharmacology, Materia Medica, and Therapeutics*

JAMES ROY BLAYNEY, D.D.S., M.S., *Professor of Dental Pathology and Therapeutics, Head of the Department, and Associate Director of the Infirmary*

FRANKLIN PEARSE REAGAN, Ph.D., *Associate Professor of Anatomy*

PAUL LOUIS SCHROEDER, B.S., M.D., *Professor of Criminology, Social Hygiene, and Medical Jurisprudence, Head of the Department, and Director of the Institute for Juvenile Research*

HAROLD DOUGLAS SINGER, M.B., M.D., *Professor of Psychiatry, Head of the Department of Neuropsychiatry, and Director of the Psychiatric Institute*

HENRY BASCOM THOMAS, B.S., M.D., *Professor of Orthopaedics, Head of the Department, and Director of the Orthopaedic Institute*

GEORGE BORIS HASSIN, M.D., *Professor of Neuropsychiatry*

ANDREW WILSON BROWN, Ph.D., *Associate Professor of Criminology, Social Hygiene, and Medical Jurisprudence*

MAURICE B. VISSCHER, Ph.D., M.D., *Professor of Physiology and Head of the Department*

RICHARD HERMANN JAFFÈ, M.S., M.D., *Professor of Pathology*

ISAAC SCHOUR, D.D.S., Ph.D., *Associate Professor of Histology*

ROBERT WOOD KEETON, M.S., M.D., *Professor of Medicine and Head of the Department*

ERNST GELLHORN, M.D., Ph.D., *Professor of Physiology*

ISADORE PILOT, B.S., M.D., *Associate Professor of Pathology and Medicine*

HENRY GEORGE PONCHER, B.S., M.D., *Assistant Professor of Pediatrics*

CARROLL LAFLEUR BIRCH, M.S., M.D., *Assistant Professor of Medicine*

ARTHUR GIDEON COLE, Ph.D., *Assistant Professor of Physiological Chemistry*

ERIC OLDBERG, M.D., Ph.D., *Associate Professor of Neurological Surgery, and Acting Head of the Department of Surgery*

GERHARDT VON BONIN, M.D., *Assistant Professor of Anatomy*

CHARLES BERNARD PUESTOW, M.D., Ph.D., *Assistant Professor of Surgery*

CARLOS ISAAC REED, Ph.D., *Assistant Professor of Physiology*

ALLAN GIBSON BRODIE, D.D.S., M.S., *Professor of Orthodontia*

RUSSELL DORR HERROLD, B.S., M.D., *Assistant Professor of Surgery*

GEZA DE TAKATS, M.D., M.Surg., *Assistant Professor of Surgery*

GRADUATE WORK IN MEDICINE AND DENTISTRY

Admission

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine and Dentistry. Every applicant must submit with his application for admission an official transcript of his college record.

Registration and Program of Study

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been interrupted by unavoidable circumstances. *No student is permitted to attend any University course in which he is not registered.*

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Medical Students and Graduate Study.—If at the beginning of the second semester of his second year a student in the College of Medicine, who has been in residence at least one year, and who has completed all of the required courses of the first three semesters and has maintained an average in all work in Medicine of at least 85%, may be permitted to register for one unit which may count for residence for a master's degree. Only students of excellent record will be allowed this privilege.

Members of the third-year and fourth-year classes in the College of Medicine, who have strong scholastic records, and who have the bachelor's degree, may register for one unit of graduate work per semester, substituting it for one medical course and the electives in the junior year and for the electives in the senior year.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Dean, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigations in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Recorder's Office. If he wishes to withdraw from the University he must get clearance papers at the Recorder's Office.

Masters' Degrees

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

Undergraduate courses in Medicine in any department are not accepted as applying toward a graduate degree if the major is in that department.

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. He may not attend more than twelve a week without special permission.

Grades.—Students' work is graded in five classes, A, B, C, D and E. The last indicates a failure. D indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or a minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. No student will be permitted to acquire residence toward the second year for the doctorate until he has passed the preliminary examination in at least one of these languages.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only must be secured and the subject of the thesis filed at the office of the Graduate School not later than the beginning of the second half year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Dean of the Graduate School, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's Office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

A student who has completed all of the residence and course requirements for the master's degree but who is still working on his thesis is required to register for an additional "Thesis" unit of work during the semester or session in which he expects to present himself for the degree. The incidental fee for such registration is $10.00

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Secretary's office. For the dates of application and deposition of theses, consult the calendar at the beginning of the bulletin.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. The other minor (not less than two units) must, in that case, be taken in a department of study other than that of the major.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 338, Research Laboratory and Library Building.

Main Reading Room of the Library

LIBRARY AND PASSAGE WAY TO HOSPITAL WITH NEW LABORATORY BUILDING IN BACKGROUND

energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence, during a certain period, but for scholarly attainments and power of investigation, as proved by theses and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

Preliminary Examinations

A. *In Languages.*—The student will be required to demonstrate his ability to read French and German and other languages needed in his work. (In special cases the Executive Faculty, upon recommendation of the student's adviser, may substitute for either one of the languages usually required some other language which can be shown to be more useful in that student's professional research.) No student will be permitted to acquire residence towards the second year of graduate study until he has passed the examination in at least one of these languages. Both the examination in French and that in German must be passed before the student is admitted to the preliminary examination in his major and minor subjects.

B. *In Major and Minors.*—Towards the end of his second year of study, or by special permission, at the beginning of this third year (not later than the first Saturday in October), a student who wishes to become a candidate for the degree must submit to a preliminary examination. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

Final Examination

At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time though it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper,* and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Secretary's office.

Fees and Expenses.—Except as noted below, graduate students in medicine and dentistry pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer session)	20.00
Students not residents of Illinois pay an incidental fee of	30.00
Incidental fee (semester)	35.00
Students not residents of Illinois pay each semester an incidental fee of	62.50
Laboratory fees are assessed to cover the cost of materials used.	
Late Registration Fee. Students who enter the Graduate School after registration day are charged a late registration fee of	5.00
Graduation fee	10.00

For the graduate course in orthodontia in preparation for the practice of orthodontia as a specialty, the yearly tuition fee is $600, one-third payable at the beginning of the second semester in February, at which time the course opens, one-third in June at the beginning of summer school, one-third in October, at the beginning of the first semester.

All persons on University appointment or on appointment in allied surveys and laboratories in Urbana and the research and educational hospitals in Chicago, eligible for admission to University work, also superintendents, principals, and teachers employed in the public school systems of Illinois and teachers and members of the staff in colleges and universities in this state, when admitted to instruction in the Graduate School during the period of their employment, may be permitted to attend University classes for credit, on condition that they register and pay either the regular incidental fees, or, at their election, fees assessed at $10.00 per unit. Persons on University appointment at a salary of $1,600 or less who are registered in the Graduate School are exempt from all fees in courses for graduate credit.

For information concerning the privilege of deferring fees, see page 32 of this circular.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the graduation fee on being recommended for their degrees.

Library

Adequate library facilities are essential to the prosecution of graduate work and research. In the library may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

GRADUATE COURSES IN MEDICINE AND DENTISTRY

ANATOMY

101. *Morphology, Experimental Morphology, and Functional Anatomy.*—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. One to three units. Professor Kampmeier, Associate Professor Reagan, Assistant Professor von Bonin.

103. *Individual Research.*—One or three units. Professor Kampmeier, Associate Professor Reagan, Assistant Professor von Bonin.

105. *Advanced Anatomy.*—One or two units. Professor Kampmeier, Associate Professor Reagan, Assistant Professor von Bonin.

DENTAL HISTOLOGY

101. *Advanced Dental Histology.*—One or two units. Associate Professor Schour.

107. *Research in Microscopic Anatomy (Teeth and Related Tissues).*—One to three units. Associate Professor Schour.

DENTAL PATHOLOGY AND THERAPEUTICS

101. *Advanced Therapeutics.*—One or two units. Professor Blayney.

103. *Therapeutic Research.*—One or two units. Professor Blayney.

DERMATOLOGY

101. *Research in Dermatology.*—One to three units. Professor Senear.

JUVENILE BEHAVIOR

101. *Research in Juvenile Behavior.*—One to three units. Professor Schroeder.

102. *Advanced Work in Juvenile Behavior.*—One to three units. Professor Schroeder.

103. *Special Abilities and Disabilities.*—One or two units. Associate Professor Brown.

104. *Psychological Tests.*—One or two units. Associate Professor Brown.

105. *Psychology of Behavior Problems.*—One to two units. Associate Professor Brown.

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

101. *Research in Laryngology, Rhinology, and Otology.*—One to three units.

MEDICINE

101. *Research in Medicine.*—One to three units. Professor Keeton, Assistant Professor Birch.

METALLURGY

101. *Metallurgical Research.*—One or two units. Professor Welker.

NEUROPSYCHIATRY

101. *Research in Neurology.*—One to three units. Professor Hassin.

102. *Research in Psychiatry.*—One to three units. Professor Singer.

OBSTETRICS AND GYNECOLOGY

101. *Research in Obstetrics and Gynecology.*—One to three units. Professor Falls.

OPHTHALMOLOGY

101. *Research in Ophthalmology.*—One to three units.

ORAL SURGERY

101. *Pathology of Mouth.*—One or two units. Professor Moorehead.

103. *Oral Surgery.*—One or two units. Professor Moorehead.

ORTHODONTIA

101. *Orthodontia.*—One to three units. Professor Noyes.

ORTHOPAEDICS

101. *Research in Orthopaedics.*—One to three units. Professor Thomas.

PATHOLOGY AND BACTERIOLOGY

101. *Advanced Pathogenesis.*—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings. One or two units. Professors Davis, Petersen, Arnold, Jaffè; Associate Professor Pilot.

103. *Individual Research.*—One to four units. Professors Davis, Petersen, Arnold, Jaffè; Associate Professor Pilot.

PEDIATRICS

101. *Research in Pediatrics.*—One to three units. Professor Hess, Assistant Professor Poncher.

PHARMACOLOGY

101. *Advanced Pharmacodynamics.*—Laboratory work. One to three units. Professor McGuigan, Associate Professor Camp.

103. *Research in Pharmacodynamics.*—One to three units. Professor McGuigan, Associate Professor Camp.

PHYSIOLOGICAL CHEMISTRY

101. *Advanced Biological Chemistry.*—Biochemical methods of research, biological colloids, enzyme action, and metabolism. One or two units. Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.

103. *Biochemical Research.*—One to three units. Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.

PHYSIOLOGY

101. *Research Work in Physiology.*—One to three units. Professors Visscher, Gellhorn; Assistant Professor Reed.

102. *Research in Biophysics.*—One to three units. Professor Bachem.

103. *Seminar in Selected Fields.*—One unit per semester. Professors Visscher, Bachem, Gellhorn; Assistant Professor Reed.

104. *Current Literature Seminar.*—One-half unit per semester. Required of all graduate students in physiology. Professors Visscher, Bachem, Gellhorn; Assistant Professor Reed.

SURGERY

101. *Research in Surgery.*—One to three units. Associate Professor Oldberg, Assistant Professors Puestow, Herrold, de Takats.

GRADUATE SCHOOL DEGREES

Conferred in Chicago

From May 1, 1934, to May 1, 1935

Degree of Doctor of Philosophy

(Conferred in June, 1934)

In Bacteriology

Catherine Virginia Fisher, A.B., University of Wisconsin, 1929; M.S., 1931. Classification of yeasts and yeast-like fungi isolated from normal skin and mucous membranes.

In Pathology

Sol Roy Rosenthal, B.S., M.D., M.S., 1925, 1927, 1931. Studies in atherosclerosis: chemical, experimental, and morphologic.

In Pharmacology

Paul Leon Ewing, A.B., Milton College, 1926; M.S., 1929. The effect of ultraviolet light on some sympathomimetic substances.

In Physiology

Paul Winston Smith, B.S., Kansas State Teachers College, 1928; M.S., University of Tennessee, 1929. The relation between initial tension and fiber length and the mechanism of energy release in striated muscle.

Degree of Master of Arts

(Conferred in June, 1934)

In Psychology

Irving Richard Popell, A.B., 1931.

Degree of Master of Science

(Conferred in June, 1934)

In Anatomy

Allan Gibson Brodie, D.D.S., University of Pennsylvania, 1919
Louis Zolo Fishman, B.S., M.D., 1925, 1927

In Bacteriology

Mildred Harriet Benson, B.S., University of Chicago, 1924
Walter Ulysses Miller, A.B., 1927

In Dental Pathology and Therapeutics

Robert Marshall Stephan, D.D.S., 1932

In Obstetrics and Gynecology

David Rosenbloom, B.S., 1932

IN ORTHODONTIA

SHERWOOD REED STEADMAN, B.S., Princeton University, 1929; D.D.S., University of Minnesota, 1932
OLGA IRENE TOBIASZ, B.S., D.D.S., 1928, 1930

IN PATHOLOGY

MAX BERG, B.S., 1932
HAROLD KAHN, B.S., 1932
JACK D. KIRSHBAUM, M.D., 1929
IRVING HAROLD LEDERMAN, B.S., 1934

IN PHYSIOLOGY

DAVID HOWARD WAGNER, A.B., University of Wisconsin, 1927; M.D., 1931

IN PHYSIOLOGICAL CHEMISTRY

ROY KENNETH SNYDER, B.S., 1929

(Conferred in October, 1934)

IN DENTAL PATHOLOGY AND THERAPEUTICS

JOSEPH LEROY BERNIER, D.D.S., 1932

(Conferred in February, 1935)

IN ORAL SURGERY

JOHN B. ERICH, B.S., 1929

IN ORTHODONTIA

FRED JAMES ANGEL, D.D.S., University of Southern California, 1933
ARTHUR BEDWARD LEWIS, D.D.S., Ohio State University, 1933
GEORGE HANNA PREWITT, B.S., University of Kentucky, 1930; D.D.S., University of Louisville, 1933
HENRY ARNOLD STURMAN, D.D.S., 1922
FRANK BLAINE TRUESDELL, B.S., University of Nebraska, 1931; D.D.S., 1934

IN PSYCHOLOGY

THELMA ETHELDA GRUBB BROWN, B.S., Ohio State University, 1930

IN PHYSIOLOGY

MILTON ARNOLD DUSHKIN, B.S., M.D., 1931, 1934

GRADUATE STUDENTS IN MEDICINE AND DENTISTRY

1934-35

Explanation.—S indicates attendance during the Summer Session; I, during the First Semester; II, during the Second Semester. Degrees are from the University of Illinois unless otherwise noted.

Aaronson, Abe Louis, Chicago.—Medicine. (I. II.) B.S., M.D., M.S., 1926, 1929, 1931.
Amelotti, Emil, Chicago.—Physiology. (I. II.) B.S., M.S., 1925, 1927.
Angel, Fred James, Los Angeles, California.—Orthodontia. (S. I.) D.D.S., B.S., University of Southern California, 1933, 1934.
Apfelberg, Herbert Jack, Chicago.—Medical Psychology. (I. II.) B.S., 1934.
Aries, Leon Judah, Chicago.—Surgery. (S. I. II.) B.S., M.S., M.D., 1929, 1931, 1932.
Asher, Harry H., Chicago.—Metallurgy. (II.) D.D.S., M.S., 1931, 1933.
Baker, Marshall Quentin, Chicago. — Pathology. (S. I.) B.S., University of Chicago, 1927; M.D., Rush Medical College, 1931.
Blackerby, Philip Earle, Louisville, Kentucky.—Oral Pathology and Therapeutics. (S.) A.B., D.D.S., University of Louisville, 1930, 1933.
Bradley, William Besteder, Oak Park. — Physiological Chemistry. (S. I.) B.S., Northwestern University, 1933.
Briggs, Frances Agnes, Metamora. — Physiological Chemistry. (S. I. II.) B.S., 1926; M.S., Tulane University, 1928.
Broder, Samuel B., Chicago. — Psychiatry. (S. I. II.) A.B., University of Pennsylvania, 1926; M.D., Rush Medical College, 1933.
Carpenter, Paul David, Chicago. — Pharmacology. (S.) Ph.G., 1925; B.S., University of Michigan, 1930.
Cascino, Joseph Peter, Chicago.—Pathology. (I. II.) B.S., 1934.
Connelly, Marie Louise, Chicago.—Medicine. (II.) A.B., University of California, 1919; B.S., M.D., 1923, 1926.
Crandell, Frances Reese, Oak Park.—Juvenile Behavior. (I. II.) A.B., Smith College, 1928.
Darling, Duane Delbert, Chicago.—Medicine. (I. II.) B.S., University of Chicago, 1930.
Davidson, Margaret, La Grange.—Psychiatry. (I. II.) A.B., 1933.
Dreyer, Irving, Chicago.—Pathology. (I. II.) B.S., M.S., M.D., 1928, 1931, 1932.
Dunning, Mary Elizabeth, Chicago.—Bacteriology. (I.) A.B., B.S., State College of Washington, 1923, 1923.
Eggert, Floyd Herman, Manitowoc, Wisconsin.—Bacteriology. (I. II.) B.S., University of Wisconsin, 1926; M.S., 1933.
Elmendorf, Laura G., Chicago.—Juvenile Behavior. (I. II.) A.B., Smith College, 1928.
Endres, Fred Carl, Peoria.—Surgery. (S. II.) B.S., Bradley Polytechnic Institute, 1928; M.D., 1932.
Ewert, Earl Ernst, Chicago. — Surgery. (I. II.) B.S., M.D., 1924, 1926.
Faingold, Joseph, Chicago. — Physiological Chemistry. (II.) Ph.C., 1929.
Falk, Philip, Chicago.—Physiological Chemistry. (II.)
Fordon, Leona R., Chicago.—Bacteriology. (I. II.) B.S., 1934.
Gagnon, James Albert, Chicago. — Dental Histology. (I.) B.S., D.D.S., 1931, 1933.
Gant, Virgil Arnett, Lebanon. — Pharmacology. (I. II.) B.S., M.S., 1921, 1932.
Gasul, Benjamin Morris, Chicago.—Pediatrics. (S. I. II.) B.S., University of Wisconsin, 1921; M.D., Rush Medical College, 1924.
Gernon, J. Talbot, Bloomington.—Surgery. (I.) B.S., M.D., 1926, 1928.
Gilman, George Everett, Weston.—Physiological Chemistry. (S. I. II.) A.B., B.S., 1931, 1933.
Goldstein, Alfred Josef, Chicago.—Pathology. (I. II.) B.S., 1934.
Gowen, G. Howard, Chicago.—Bacteriology. (S. I. II.) B.S., M.D., Northwestern University, 1921, 1926; M.S., 1933.
Grossman, Jack William, Chicago. — Physiology. (S. I. II.) B.S., 1934.
Hagele, Marie Anna, St. Joseph, Missouri.—Bacteriology. (S. I. II.) B.S., Lewis Institute, 1931.
Hahn, Jacob Francis, Donnellson.—Pharmacology. (S.) B.S., 1930.
Hanszen, Arthur Hill, Dallas, Texas.—Bacteriology. (S. I. II.) A.B., A.M., University of Texas, 1931, 1932.
Harvey, Cecil C., Chicago.—Physiological Chemistry. (S. I. II.) B.S., University of Louisville, 1929; M.S., University of Chicago, 1931.
Helfrich, Loring Smith, Bushnell.—Pharmacology. (S. II.) B.S., Knox College, 1932.
Heritage, Wade Frederic, Chicago.—Bacteriology. (S. I. II.) B.S., 1933.
Herzog, Paul, Chicago.—Pathology. (I. II.) B.S., 1934.
Hess, Walter R., Elkhorn, Nebraska.—Bacteriology. (II.) B.S., University of Nebraska, 1927.
Hick, Ford Kimmel, Oak Park.—Medicine. (S. I. II.) B.S., M.D., M.S., 1928, 1931, 1932.
Hilkevitch, Aaron Arthur, Chicago.—Neurology. (II.) B.S., University of Chicago, 1933.
Hill, Harold Herrin, Athens. — Obstetrics. (I. II.) B.S., M.D., 1926, 1929.
Hirschberg, Nell, Glencoe. — Bacteriology. (S. I. II.) A.B., Smith College, 1928; A.M., University of Colorado, 1933.
Hirschtick, Allan Bonner, Chicago.—Pathology. (S. I. II.) B.S., 1934.
Hlavacek, Louis Joseph, Chicago.—Pathology. (I. II.) B.S., Lewis Institute, 1930.
Hood, Marion, Rapid City, South Dakota.—Bacteriology. (S. I. II.) A.B., Carroll College, 1918; A.M., University of Wisconsin, 1928.
Howard, Wayne Cox, Chicago.—Bacteriology. (I. II.) B.S., 1934.
Jackson, Dewey DeWitt, St. Petersburg, Florida. — Histology. (S.) B.S., 1934.
Jameson, Augusta True, McConnelsville, Ohio.—Juvenile Behavior. (I. II.) A.B., Ohio Wesleyan University, 1926.
Janus, Arthur Israel, Chicago.—Physiology. (II.) B.S., University of Chicago, 1931.

Jenkins, Hilerd Westley, River Forest.—Physiological Chemistry. (II.)
Joannides, Minas, Chicago. — Surgery. (S. I.) M.D., Washington University, 1921; M.S., 1928.
Johnson, Titus Maurice, Chicago.—Bacteriology. (S.) A.B., Wheaton College, 1928; B.S., Northwestern University, 1929; M.S., 1933.
Kapernick, John S., Evanston.—Bacteriology. (I. II.) B.S., 1934.
Kaplan, Benjamin B., Chicago.—Bacteriology. (I. II.) B.S., University of Chicago, 1933.
Kaplan, Isadore, Chicago. — Physiological Chemistry. (II.)
Kaplan, Max, Chicago.—Physiology. (II.) A.B., University of Rochester, 1933.
Kaplan, Morris Aaron, Chicago.—Medicine. (II.) B.S., M.S., M.D., 1929, 1931, 1932.
Kaplan, Samuel, Chicago. — Obstetrics and Gynecology. (S.) B.S., M.D., M.S., 1922, 1925, 1931.
Kirch, Ernst R., Chicago. — Physiological Chemistry. (II.) Ph.C., 1928; B.S., Loyola University, 1931; M.S., University of Chicago, 1933.
Klein, Alfred Joseph, Chicago.—Surgery. (I. II.) B.S., 1934.
Kleitsch, William Philip, Chicago. — Surgery. (I. II.) B.S., 1934.
Kocour, Elmer Joseph, Chicago.—Pathology. (S. I. II.) B.S., M.D., 1930, 1932.
Kolb, Leonard Hyman, Chicago.—Pediatrics. (II.)
Kramp, Edgar Herman, Forest Park.—Dental Therapeutics. (II.) B.S., D.D.S., 1929, 1931.
Kreft, Alfred John, Des Plaines. — Pharmacology. (I.) B.S., 1933.
Kuhn, Harry Albert, Chicago. — Pharmacology. (I.) Ph.B., M.S., University of Wisconsin, 1925, 1925.
Kurth, Milton Elmer, Chicago.—Neurology. (II.) B.S., 1933.
Lack, Herbert, Chicago.—Medical Psychology. (II.)
Lakin, Herbert Sol, Chicago. — Physiological Chemistry. (II.) B.S., 1933.
Lambert, Claude Needham, Chicago. — Orthopaedics. (I.) A.B., University of Utah, 1924; M.D., University of Chicago, 1928.
Lander, Herman Boris, Chicago. — Surgery. (I. II.) B.S., 1934.
Lapid, Gilbert George, Chicago. — Surgery. (I. II.) B.S., 1934.
Lawson, Edwin Harvey, Chicago.—Bacteriology. (S. I. II.) B.S., University of Chicago, 1932; B.S., 1934.
Lee, Muriel Lesser, Chicago.—Physiology. (I. II.) B.S., University of Chicago, 1932.
Levan, Arthur Bernard, Chicago.—Pathology. (I. II.) B.S., 1934.
Lewis, Arthur Bedward, Steubenville, Ohio. —Orthodontia. (S. I.) D.D.S., Ohio State University, 1933.
Lichtenstein, Ben William, Chicago.—Neuropathology. (II.) B.S., M.D., 1930, 1933.
Lichtenstein, Maurice, Berrien Springs, Michigan.—Psychology. (S. I. II.) A.B., 1932.
Liebman, Samuel, Chicago.—Medicine. (S. I. II.) B.S., 1934.
Limarzi, Louis Robert, Chicago.—Medicine. (II.) B.S., M.D., 1928, 1931.
Lorber, Maurice, Chicago.—Medical Psychology. (II.) B.S., University of Chicago, 1932.
Lorber, Victor, Chicago.—Psychiatry. (II.) B.S., University of Chicago, 1933.
McDaniels, Herbert Eli, Chicago. — Bacteriology. (S. I.) B.S., University of Chicago, 1925; M.S., 1932.
MacFate, Robert Preston, Chicago.—Physiological Chemistry. (I. II.) Ch.E., Lehigh University, 1925; M.S., 1929.
Marks, Meyer Benjamin, Chicago.—Medicine. (S. II.) B.S., M.D., 1931, 1933.
Mason, Herman Charles, Chicago. — Bacteriology. (II.) B.S., University of Chicago, 1932.
Mehlman, Jerome Saul, Chicago.—Physiology. (II.) A.B., Western Reserve University, 1933.
Melnick, Perry Julius, Chicago.—Pathology. (S. I. II.) B.S., M.S., M.D., 1927, 1929, 1930.
Miller, D. Evelyn, Maywood.—Gynecology and Obstetrics. (S. I.) A.B., Central Wesleyan College, 1921; B.S., M.D., University of Nebraska, 1926, 1928.
Milliette, Gerald Thomas, Anna, Ohio.—Orthodontia. (II.) B.S., University of Dayton, 1930; D.D.S., Marquette University, 1931.
Mixter, Russell Lowell, Lansing, Michigan.—Anatomy. (I.) A.B., Wheaton College, 1928; M.S., Michigan State College, 1930.
Murphy, Lois Ridgely, Parkersburg.—Bacteriology. (S.) B.S., Lewis Institute, 1930.
Neiman, Benjamin Harold, Chicago.—Pathology. (S. I.) B.S., University of Chicago, 1926; M.D., Rush Medical College, 1930; M.S., 1933.
Nelson, Beulah Grattan, Hutchinson, Kansas.—Orthodontia. (II.) A.B., Northwestern University, 1921; B.S., D.D.S., 1928, 1930.
Northup, David Wilmarth, Chicago.—Physiology. (S. II.) A.B., Reed College, 1930; A.M., University of Oregon, 1932.
Noyes, Harold Judd, Park Ridge.—Histology. (II.) Ph.B., University of Chicago, 1923; D.D.S., B.S., 1925, 1928; M.D., Rush Medical College, 1933.
O'Connor, Dorothy Kathryn, Chicago.—Bacteriology. (S. I. II.) A.B., 1933.
Olenick, Everett J., Chicago. — Pathology. (S. I. II.) B.S., 1934.
Palmer, Edward, Chicago. — Genito-Urinary Surgery. (II.) Ph.B., DePaul University, 1928.
Passarelli, Edwin William, Chicago.—Medicine. (I. II.) B.S., M.D., Georgetown University, 1930, 1930.
Pearlman, Sol, Chicago. — Neuropsychiatry. (II.) Ph.B., University of Chicago, 1932.
Peluse, Samuel, Chicago. — Surgery. (II.) B.S., M.D., 1924, 1927.
Peters, Howard Chester, Chicago.—Physiology. (I. II.) B.S., Northwestern University, 1932.
Prewitt, George Hanna, Lexington, Kentucky.—Orthodontia. (S. I.) B.S., University of Kentucky, 1930; D.D.S., University of Louisville, 1933.
Puumala, Reino Hendrick, Chicago.—Anatomy. (I. II.) B.S., M.D., 1931, 1934.
Radner, David B., Chicago.—Pharmacology. (S.) Ph.G., B.S., M.D., 1926, 1931, 1933.
Ragins, Alex Benjamin, Chicago.—Pathology. (II.) B.S., M.S., 1929, 1931.
Reynolds, John Todd, Dwight.—Surgery. (I.) B.S., M.S., 1930, 1932.
Ricewasser, Henry, Putnam, Connecticut.—Physiological Chemistry. (I II.) A.B., 1934.
Riser, Roy Otis, Chicago.—Ophthalmology. (S. I. II.) B.S., M.D., 1928, 1931.

Rubert, Samuel Rubin, Chicago.—Medicine. (II.) B.S., University of Chicago, 1926; M.D., St. Louis University, 1930.

Sahlstrom, Edward Clarence, Chicago.—Dental Pathology. (I.) D.D.S., 1933.

Sandor, Abraham, Chicago.—Physiology. (I. II.) B.S., University of Chicago, 1934.

Scharpen, Raymond Edward, Chicago.—Psychology. (II.) A.B., 1932.

Scuderi, Carlo Salvadore, Chicago.—Surgery. (S. I. II.) B.S., M.D., 1926, 1929.

Segenreich, Harry, Chicago.—Pharmacology. (I. II.) B.S., University of Chicago, 1930.

Silverman, Harold Edward, Chicago.—Anatomy. (I.) M.D., 1930.

Smith, Margaret Elizabeth, Chicago.—Physiology. (II.) Ph.B., University of Chicago, 1919; M.S., University of Wisconsin, 1924.

Soderdahl, Paul, Oak Park.—Physiological Chemistry. (II.) Ph.C., 1928; B.S., M.S., University of Iowa, 1930, 1932.

Sosson, Edward, Chicago. — Physiological Chemistry. (II.)

Souton, C. Alphonse, Chicago.—Chemistry. (I. II.) Ph.B., A.M., DePaul University, 1924, 1926; B.S., Lewis Institute, 1932.

Spangler, Charles David, Chicago.—Bacteriology. (I. II.) B.S., Armour Institute of Technology, 1934.

Spence, John Monroe, Chicago.—Histology. (S.) B.S., 1932.

Spinka, Isadore, Chicago. — Physiological Chemistry. (II.)

Stastny, John Wallace, Oak Park.—Pathology. (I. II.) B.S., University of Chicago, 1930.

Stoecker, George Charles, Chicago.—Pharmacology. (I. II.) A.B., St. Norbert College, 1934.

Storm, Lester Frank, Chicago.—Physiology. (I. II.) B.S., Northwestern University, 1933.

Sturman, Henry Arnold, Detroit, Michigan. —Orthodontia. (S. I.) D.D.S., 1922.

Summerville, Milton Joseph, Chicago.—Obstetrics. (I. II.) A.B., University of Kentucky, 1922; M.D., 1928.

Tinsley, Milton, Chicago.—Surgery. (II.) B.S., 1933.

Truesdell, Frank Blaine, Omaha, Nebraska.—Orthodontia. (S. I.) B.S., University of Nebraska, 1931; D.D.S., 1934.

Turner, Samuel J., Chicago.—Obstetrics and Gynecology. (II.) B.S., M.D., 1928, 1934.

Vaichulis, John Anthony, Chicago.—Bacteriology. (S. I. II.) B.S., University of Notre Dame, 1929.

Wach, Edward Charles, Chicago.—Physiological Chemistry. (I. II.) Ph.G., D.D.S., 1907, 1923.

Wade, Chester, Chicago.—Psychiatry. (S.) B.S., 1934.

Waisman, Morris, Chicago.—Pediatrics. (I. II.) B.S., 1933.

Wasick, Milan Michael, Chicago.—Bacteriology. (I. II.) B.S., 1934.

Weiss, Emil, Chicago.—Bacteriology. (I. II.) M.D., University of Prague, 1919.

Whitcomb, Frances Creekmur, Chicago.—Bacteriology. (S. I. II.) B.S., University of Chicago, 1918.

Winer, Allen E., Chicago.—Pediatrics. (II.)

Wolff, John Robert, Chicago.—Obstetrics and Gynecology. (II.) M.D., Northwestern University, 1931.

Woodward, Helen, Washington, D.C.—Physiological Chemistry. (I.) B.S., George Washington University, 1926; M.S., Iowa State College, 1929.

Zeitlin, Howard, Chicago.—Pathology. (S. II.) B.S., M.D., 1929, 1932.

Zeldes, Mary, Galesburg.—Pathology. (I. II.) A.B., Knox College, 1932.

Zimont, Raymond Dumont, Chicago.—Bacteriology. (S. I. II.) B.S., 1934.

Zuska, Joseph John, Chicago. — Pediatrics. II.) B.S., M.D., 1929, 1931.

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COLLEGE OF MEDICINE

Announcement for 1936-1937

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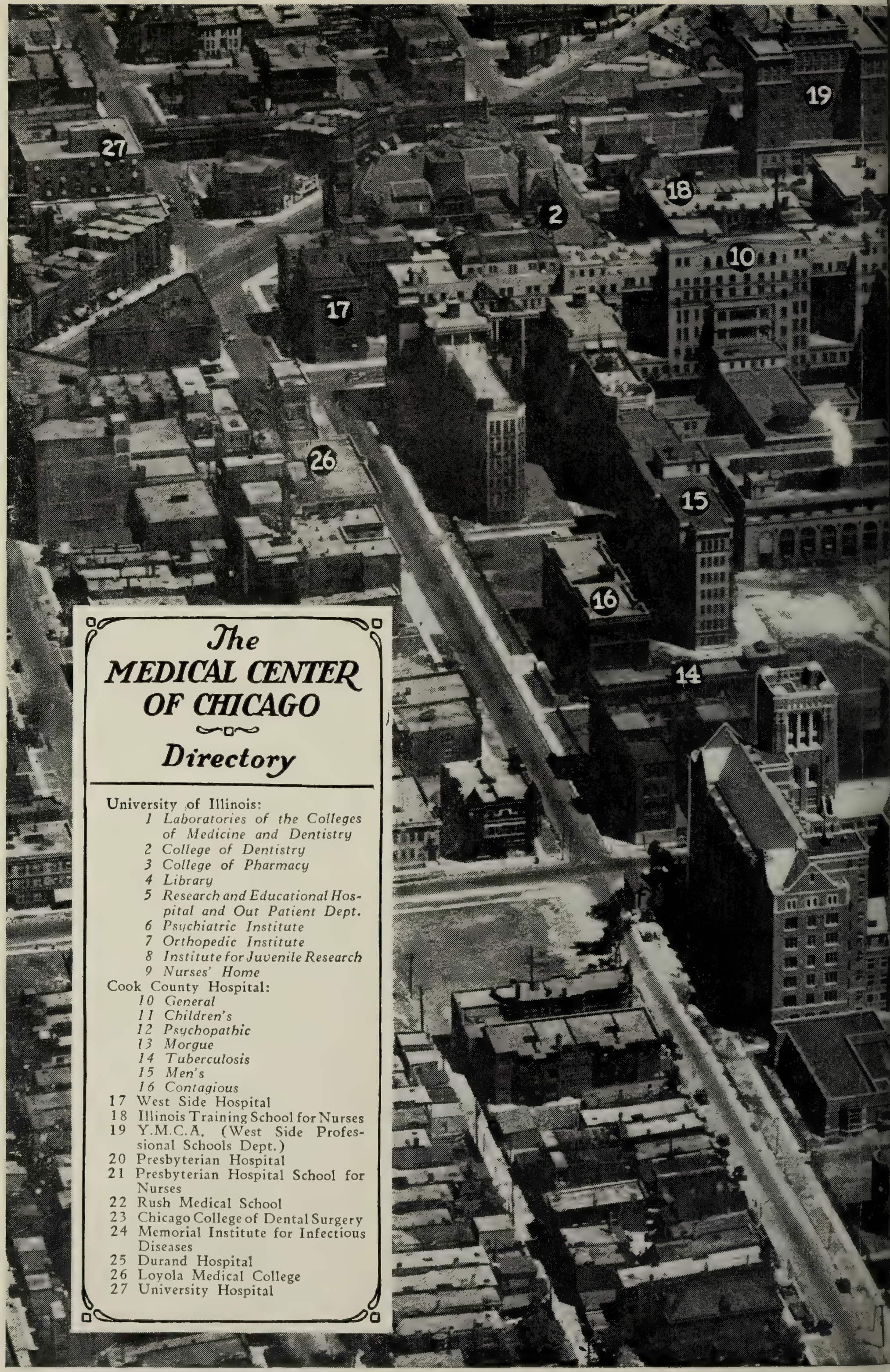

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- *11 Children's*
- *12 Psychopathic*
- *13 Morgue*
- *14 Tuberculosis*
- *15 Men's*
- *16 Contagious*

17 West Side Hospital
18 Illinois Training School for Nurses
19 Y.M.C.A. (West Side Professional Schools Dept.)
20 Presbyterian Hospital
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22 Rush Medical School
23 Chicago College of Dental Surgery
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25 Durand Hospital
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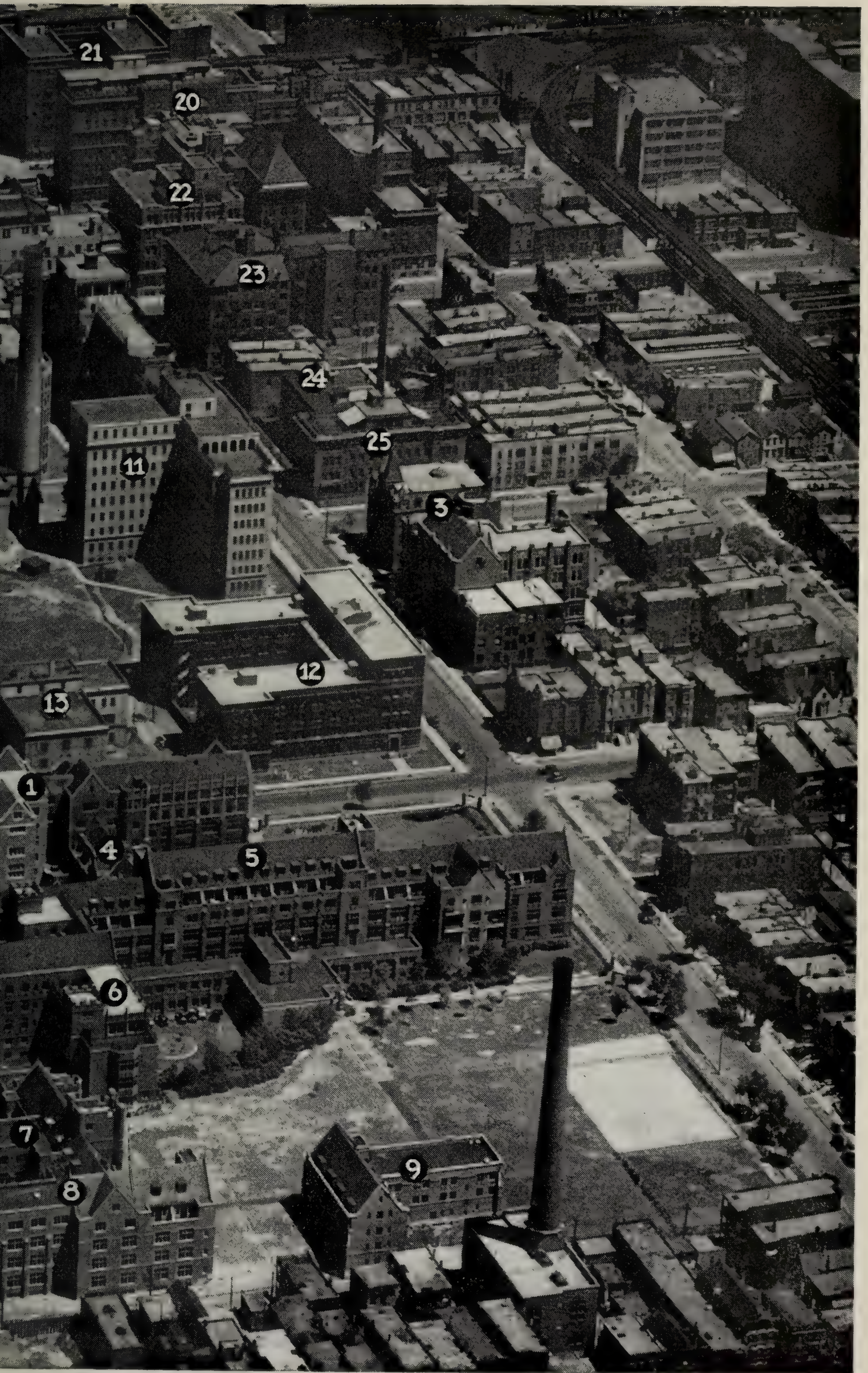
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COLLEGE OF MEDICINE

Announcement for 1936-37

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COLLEGE OF MEDICINE

CALENDAR

First Semester

1936

Sept. 14-19, Monday-Saturday	Second-year comprehensive examinations.
Sept. 21-26, Monday-Saturday	Special examinations.
Sept. 28, Monday, 8 A.M. to 5 P.M.	Registration and payment of fees.
Sept. 29, Tuesday, 8 A.M.	Instruction begun.
Nov. 26, Thursday	Thanksgiving day.
Dec. 19, Saturday, 5 P.M.	Holiday recess begun.

1937

Jan. 4, Monday, 8 A.M.	Instruction resumed.
Feb. 1-6, Monday-Saturday	Semester examinations.

Second Semester

Feb. 8, Monday, 8 A.M. to 5 P.M.	Registration and payment of fees.
Feb. 9, Tuesday, 8 A.M.	Instruction begun.
Mar. 25, Thursday, 6 P.M.	Easter recess begun.
Mar. 29, Monday, 8 A.M.	Instruction resumed.
May 24-29, Monday-Saturday	Second-year and fourth-year comprehensive examinations.
May 30, Sunday	Memorial day.
May 31-June 4, Monday-Friday	First-year and third-year final examinations.
June 10, Thursday	Class day and alumni meeting.
June 11, Friday	Commencement exercises.

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Lloyd Morey, A.B., B.Mus., LL.D., C.P.A., *Comptroller,* Urbana

George Robert Moon, A.M., *Examiner and Recorder for the Chicago Professional Schools and Assistant to the Dean of the College of Medicine*

John Edson Millizen, A.B., *Business Agent, Chicago Professional Schools*

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Extra-Curricular Programs.—G. R. Moon (Chairman), H. G. Poncher, M. B. Visscher, C. B. Puestow.

Fifth Year.—I. Pilot (Chairman), M. L. Blatt, R. W. Keeton, E. S. Moore.

FACULTY OF THE COLLEGE OF MEDICINE

1935-36

(For alphabetic index, see page 18.)

Professors

David John Davis, M.D., Ph.D., *Professor of Pathology, Head of the Department of Pathology, Bacteriology, and Public Health, and Dean of the College of Medicine*

Henry Parker Newman, A.M., M.D., *Professor of Gynecology,* Emeritus

Henry Turman Byford, A.M., M.D., *Professor of Gynecology,* Emeritus

Frank Breckenridge Earle, M.D., *Professor of Pediatrics,* Emeritus

William Allen Pusey, A.M., M.D., *Professor of Dermatology,* Emeritus

William McIntire Harsha, B.S., A.B., M.D., *Professor of Surgery,* Emeritus

Lee Harrison Mettler, A.M., M.D., *Professor of Neurology,* Emeritus

Casey A. Wood, A.M., M.D., *Professor of Ophthalmology,* Emeritus

Charles Davison, A.M., M.D., *Professor of Surgery,* Emeritus

Frederick Tice, M.D., *Professor of Medicine,* Emeritus

Norval Harvey Pierce, M.D., *Professor of Laryngology, Rhinology, and Otology, and Head of the Department,* Emeritus

Charles Sumner Bacon, Ph.B., M.D., D.Sc., *Professor of Obstetrics,* Emeritus

William Elliott Gamble, B.S., M.D., *Professor of Ophthalmology,* Emeritus

Julius Hayes Hess, M.D., *Professor of Pediatrics and Head of the Department*

Hugh Alister McGuigan, Ph.D., M.D., *Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of the Department*

Harold Douglas Singer, M.D., *Professor of Neuropsychiatry, Head of the Department, and Director of the Psychiatric Institute*

Charles Edward Humiston, D.Sc., M.D., *Professor of Surgery,* Emeritus

Louis Schultz, D.D.S., M.D., *Professor of Oral Surgery and Pathology,* Emeritus

William Henry Welker, A.C., Ph.D., *Professor of Physiological Chemistry and Head of the Department*

Nelson Mortimer Percy, M.D., *Professor of Surgery*

Francis Eugene Senear, B.S., M.D., *Professor of Dermatology and Head of the Department*

William F. Petersen, B.S., M.D., *Professor of Pathology*

Adolph Hartung, M.D., *Professor of Roentgenology*

Albert Bachem, Ph.D., *Professor of Biophysics*

Frederick Howard Falls, M.S., M.D., *Professor of Obstetrics and Gynecology and Head of the Department*

George Boris Hassin, M.D., *Professor of Neuropsychiatry*

Haim Iddell Davis, M.D., *Professor of Psychiatry,* Emeritus

Frederick George Dyas, M.D., *Professor of Surgery*

Charles Morgan McKenna, B.S., M.D., *Professor of Urology*

Henry Bascom Thomas, B.S., M.D., *Professor of Orthopaedics, Head of the Department, and Director of the Illinois Surgical Institute for Children*

Rachelle S. Yarros, M.D., *Professor of Social Hygiene*

Otto Frederic Kampmeier, Ph.D., M.D., *Professor of Anatomy and Head of the Department*

Robert Wood Keeton, M.S., M.D., *Professor of Medicine and Head of the Department*

MAURICE LEWISON, M.D., *Professor of Physical Diagnosis*
CHARLES HERBERT PHIFER, M.D., *Professor of Surgery*
SIDNEY STRAUSS, A.B., M.D., *Professor of Medicine*
LLOYD ARNOLD, A.M., M.D., *Professor of Bacteriology and Public Health*
HENRY EUGENE IRISH, M.D., *Professor of Pediatrics*
MAURICE LAMM BLATT, M.D., D.Sc., *Professor of Pediatrics*
GEORGE DETARNOWSKY, M.D., *Professor of Surgery*
MAURICE B. VISSCHER, Ph.D., M.D., *Professor of Physiology and Head of the Department*
EPHRAIM KIRKPATRICK FINDLAY, M.D., C.M., *Professor of Ophthalmology*
PAUL LOUIS SCHROEDER, B.S., M.D., *Professor of Criminology, Social Hygiene, and Medical Jurisprudence, Head of the Department, and Director of the Institute for Juvenile Research*
BERNARD FANTUS, M.S., M.D., *Professor of Therapeutics*
RICHARD HERMANN JAFFÈ, M.S., M.D., *Professor of Pathology*
ERNST GELLHORN, M.D., Ph.D., *Professor of Physiology*
FRANCIS LOEFFLER LEDERER, B.S., M.D., *Professor of Laryngology, Rhinology, and Otology, and Head of the Department*
ERIC OLDBERG, M.D., Ph.D., *Associate Professor of Neurological Surgery and Acting Head of the Department of Surgery*
WALTER JOHN RICHARD CAMP, M.D., Ph.D., *Professor of Pharmacology, Materia Medica, and Therapeutics*
WARREN HENRY COLE,[1] B.S., M.D., *Professor of Surgery and Head of the Department*

Associate Professors

JOSEPH CLAR BECK, M.D., *Associate Professor of Laryngology, Rhinology, and Otology,* Emeritus
FRANK CHAUVET, M.D., *Associate Professor of Medicine*
ERNEST SISSON MOORE, Ph.B., M.D., *Associate Professor of Medicine,* Emeritus
OLAF BERGEIM, Ph.D., *Associate Professor of Physiological Chemistry*
HALLARD BEARD, B.S., M.D., *Associate Professor of Ophthalmology*
JACOB MEYER, M.S., M.D., *Associate Professor of Medicine*
ISADORE PILOT, B.S., M.D., *Associate Professor of Medicine and of Pathology*
BENJAMIN GOLDBERG, M.D., *Associate Professor of Medicine*
GEORGE WASHINGTON POST, JR., A.M., M.D., *Associate Professor of Surgery*
ANDREW WILSON BROWN, Ph.D., *Associate Professor of Criminology, Social Hygiene, and Medical Jurisprudence, and Associate Professor of Psychology*
ELLIS BENJAMIN FREILICH, M.D., *Associate Professor of Medicine*
VINCENT JOHN O'CONOR, B.S., M.D., *Associate Professor of Urology*
SAMUEL PERLSTEIN, M.D., *Associate Professor of Medicine*
HARRY ALBERT SINGER, M.S., M.D., *Associate Professor of Medicine*
SAMUEL AZOR LEVINSON, M.S., M.D., *Associate Professor of Pathology, Assistant Professor of Medicine, and Director of the Hospital Laboratory*
OSCAR EUGENE NADEAU, B.S., M.D., *Associate Professor of Surgery*
ALEXANDER JOHN NEDZEL, M.D., M.S., *Associate Professor of Bacteriology and Public Health*
OTTO SAPHIR, M.D., *Associate Professor of Pathology*
ARNOLD ALBERT ZIMMERMANN, D.Sc., *Associate Professor of Anatomy*
MAX SAMUEL WIEN, B.S., M.D., *Associate Professor of Dermatology*

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[1] Beginning September 1, 1936.

ROLAND PARKS MACKAY, A.B., M.D., *Associate Professor of Neuropsychiatry*
GEORGE JOSEPH MOHR, B.S., M.D., *Associate Professor of Juvenile Behavior*
ARRIE BAMBERGER, B.S., M.D., *Associate Professor of Surgery*
ARTHUR REUBEN COOPER, Ph.D., M.D., *Associate Professor of Anatomy*
RUSSELL DORR HERROLD, B.S., M.D., *Associate Professor of Urology*
THOMAS SMITH JONES, B.F.A., *Associate Professor of Medical and Dental Illustration*
JOHN DOUGLAS KOUCKY, M.S., M.D., *Associate Professor of Surgery*
FRANK B. LUSK, A.M., M.D., *Associate Professor of Medicine*
SELIM WALKER MCARTHUR, Ph.B., M.D., *Associate Professor of Surgery*
ROBERT BRUCE MALCOLM, M.S., M.D., *Associate Professor of Surgery*
HENRY GEORGE PONCHER, B.S., M.D., *Associate Professor of Pediatrics*
CARLOS ISAAC REED, Ph.D., *Associate Professor of Physiology*
LINDON SEED, M.S., M.D., *Associate Professor of Surgery*
LEROY HENDRICK SLOAN,[1] B.S., M.D., *Associate Professor of Medicine*

Assistant Professors

JOHN MICHAEL LANG, M.D., *Assistant Professor of Obstetrics and Gynecology*
LESTER EDWARD BOWER, A.B., M.D., *Assistant Professor of Pediatrics*
ISADORE BERNHARD DIAMOND, M.D., *Assistant Professor of Neuropsychiatry*
WALTER CHARLES HAMMOND, M.D., *Assistant Professor of Obstetrics and Gynecology*
FRANK LEE STONE, M.D., *Assistant Professor of Obstetrics and Gynecology*
FRANK JOSEPH JIRKA, M.D., *Assistant Professor of Surgery*
FRANKLIN SAMUEL WILSON, Ph.G., M.D., *Assistant Professor of Medicine*
ALVAH LEWIS SAWYER, B.S., M.D., *Assistant Professor of Medicine*
JOSEPH KAISER CALVIN, B.S., M.D., *Assistant Professor of Pediatrics*
JOHN BAPTIST CIPRIANI, M.D., *Assistant Professor of Medicine*
EDMUND FOLEY, B.S., M.D., *Assistant Professor of Medicine*
ABRAHAM FAE LASH, M.D., Ph.D., *Assistant Professor of Obstetrics and Gynecology*
DUANE WILLARD PROPST, A.B., B.S., M.D., *Assistant Professor of Medicine*
PHILIP ROSENBLUM, M.D., *Assistant Professor of Pediatrics*
ALBERT VANDERKLOOT, M.D., *Assistant Professor of Medicine*
DAVID MORTIMER OLKON, A.M., M.D., *Assistant Professor of Neuropsychiatry*
FRANK GEORGE MURPHY, B.S., M.D., *Assistant Professor of Orthopaedics*
MRS. CARROLL LAFLEUR BIRCH,[2] M.S., M.D., *Assistant Professor of Medicine*
WILLIAM HARCOURT BROWNE, B.S., M.D., *Assistant Professor of Obstetrics and Gynecology*
ARTHUR GIDEON COLE, Ph.D., *Assistant Professor of Physiological Chemistry*
MAX LYON FOLK, M.D., *Assistant Professor of Ophthalmology*
RALPH AUGUST KORDENAT, M.S., M.D., *Assistant Professor of Surgery*
ABRAHAM ADOLPH LOW, M.D., *Assistant Professor of Neuropsychiatry*
JACOB MORTON MORA, B.S., M.D., *Assistant Professor of Surgery*
CHARLES NEWBERGER, B.S., M.D., *Assistant Professor of Obstetrics and Gynecology*
HIRAM JASON SMITH, M.D., *Assistant Professor of Ophthalmology*
MICHAEL HENRY STREICHER, M.S., M.D., *Assistant Professor of Medicine*
ROY GILMORE BARRICK, M.D., M.H.D., *Assistant Professor of Criminology*
ROBERT LELON LADD, M.S., M.D., *Assistant Professor of Pathology*
JOHN JOSEPH THEOBALD, B.S., M.D., *Assistant Professor of Laryngology, Rhinology, and Otology*

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[1] Second semester.

[2] On leave of absence from April 15 to October 15, 1936.

WALTER HENRY THEOBALD, B.S., M.D., *Assistant Professor of Laryngology, Rhinology, and Otology*
FREDERICK WILLIAM HARK, M.S., M.D., *Assistant Professor of Orthopaedics*
GERHARDT VON BONIN, M.D., *Assistant Professor of Anatomy*
HUGO OTTO DEUSS, B.S., M.D., *Assistant Professor of Medicine*
YNGVE JORANSON, A.B., B.S., M.D., *Assistant Professor of Anatomy*
ISIDORE A. RABENS, M.S., M.D., *Assistant Professor of Medicine*
THOMAS GORDON HULL, Ph.D., *Assistant Professor of Bacteriology and Public Health*
GEORGE MILLES, Ph.G., M.S., M.D., *Assistant Professor of Pathology*
EUGENE CONSTANTINE PIETTE, M.D., *Assistant Professor of Pathology*
CHARLES BERNARD PUESTOW, M.D., Ph.D., *Assistant Professor of Surgery*
ALFRED P. SOLOMON, A.B., M.D., *Assistant Professor of Neuropsychiatry*
RICHARD LOCKWOOD WEBB, Ph.D., *Assistant Professor of Anatomy*
RICHARD LEOS JENKINS, A.B., M.D., *Assistant Professor of Physiology and of Juvenile Behavior*
RUDOLPH JOHANN KREMER, M.D., *Assistant Professor of Pathology*
P. JOSEPH SARMA, M.S., M.D., *Assistant Professor of Surgery*
WILL FERSON LYON, A.B., M.D., *Assistant Professor of Surgery*
GÉZA DE TAKATS, M.D., M.Surg., *Assistant Professor of Surgery*
DANIEL HAROLD LEVINTHAL, M.D., *Assistant Professor of Orthopaedics*
THEODORE CORNBLEET, B.S., M.D., *Assistant Professor of Dermatology*
WILLIAM HENRY HAZLETT, M.D., *Assistant Professor of Surgery*
WILLARD VAN HAZEL, A.B., M.D., *Assistant Professor of Surgery*
GUSTAV LEOPOLD ZECHEL, M.D., *Assistant Professor of Anatomy, and Associate in Surgery*
JULIUS LEO SPIVACK,[1] M.D., *Assistant Professor of Surgery*

Associates

SOLOMON MAXWELL GOLDBERGER, M.D., *Associate in Pediatrics*
JOSEPH GREENGARD, B.S., M.D., *Associate in Pediatrics*
BENJAMIN ZION RAPPAPORT, M.S., M.D., *Associate in Medicine*
IRIS McKY CHAMBERLAIN, M.D., *Associate in Pediatrics*
GEORGE SHAYNIN LIVINGSTON, M.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
LOUIS SENDER ROBINS, B.S., M.D., *Associate in Pediatrics*
VIRGIL RAY STEPHENS, M.S., M.D., *Associate in Surgery*
PAUL LEON EWING, M.S., *Associate in Pharmacology, Materia Medica, and Therapeutics*
ERNEST A. BREDLAU, M.D., *Associate in Laryngology, Rhinology, and Otology*
MOSES GOLDWASSER, M.D., *Associate in Medicine*
MINAS JOANNIDES, M.S., M.D., *Associate in Surgery*
MILTON HENRY KRONENBERG, B.S., M.D., *Associate in Medicine and in Bacteriology and Public Health*
THOMAS PAINE SALTIEL, B.S., M.D., *Associate in Pediatrics*
I. PAT BRONSTEIN, B.S., M.D., *Associate in Pediatrics*
WALTER WILLIAM DALITSCH, B.S., D.D.S., M.D., *Associate in Medicine and Health Officer*
LOUIS FELDMAN, B.S., M.D., *Associate in Medicine*

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[1] Second semester.

Samuel I. Kaufman, M.D., *Associate in Ophthalmology*
Dietrich Klemptner, M.D., *Associate in Medicine*
Leon Wade Martin, Ph.C., M.D., *Associate in Obstetrics and Gynecology*
Harry Oliver Maryan,[1] B.S., M.D., *Associate in Obstetrics and Gynecology*
Samuel Cushing Beach, M.D., *Associate in Bacteriology and Public Health*
Richard A. Lifvendahl, B.S., M.D., *Associate in Gynecology*
Noah Fox, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
Benjamin Morris Gasul, B.S., M.D., *Associate in Pediatrics*
Samuel Julian Hoffman, B.S., M.D., *Associate in Pediatrics*
Harry Leichenger, B.S., M.D., *Associate in Pediatrics*
Tell Nelson, B.S., M.D., *Associate in Medicine*
Saul S. Soloway, B.S., M.D., *Associate in Medicine*
Gustave Frankel Weinfeld, M.D., *Associate in Pediatrics*
Israel Becker, B.S., M.D., *Associate in Medicine*
Fred Temple Burling, B.S., M.D., *Associate in Criminology, Social Hygiene, and Medical Jurisprudence*
Marcus Rayner Caro, B.S., M.D., *Associate in Dermatology*
Earl Ernst Ewert, B.S., M.D., *Associate in Urology*
Philip Allen Halper, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
William A. Marshall, B.S., M.D., *Associate in Orthopaedics*
Herbert Rattner, M.D., *Associate in Dermatology*
Russell Adams Scott, A.B., M.D., *Associate in Obstetrics and Gynecology*
Sherman Lawrence Shapiro, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
Parke Harvey Simer, Ph.D., *Associate in Anatomy*
Perry Julius Melnick, M.D., Ph.D., *Associate in Pathology*
Nobel Gustaf Johnson, A.B., J.D., *Associate in Medical Jurisprudence*
Maxwell Gitelson, B.S., M.D., *Associate in Criminology, Social Hygiene, and Medical Jurisprudence*
Robbie Neeley Brunner, M.D., *Associate in Anaesthesia*
Claude Needham Lambert, A.B., M.D., *Associate in Orthopaedics*
Thomas M. French, A.B., M.D., *Associate in Criminology, Social Hygiene, and Medical Jurisprudence*
Jerry Joseph Kearns, B.S., M.D., *Associate in Pathology*
Alfred Julian Kobak, M.S., M.D., *Associate in Obstetrics and Gynecology*
Benjamin Harold Neiman, B.S., M.D., *Associate in Pathology*
Rudolph Justus Emanuel Oden, A.B., M.D., *Associate in Surgery*
Minnie Oboler Perlstein, B.S., M.D., *Associate in Dermatology*
Louis William Schultz, B.S., D.D.S., M.D., *Associate in Surgery*
Carlo Salvadore Scuderi, B.S., M.D., *Associate in Surgery*
Max T. Bolotin, B.S., M.D., *Associate in Medicine*
Benjamin Franklin Croutch, M.D., *Associate in Surgery*
Bernard Portis, M.D., Ph.D., *Associate in Surgery*
Carl Apple, B.S., M.D., *Associate in Ophthalmology*
William S. Boikan, M.S., M.D., *Associate in Medicine, and Instructor in Pathology*
James Wilson Clark, B.S., M.D., *Associate in Ophthalmology*
Ford Kimmel Hick, M.D., Ph.D., *Associate in Medicine*
Clarence A. Johnson, Ph.D., *Associate in Physiological Chemistry*

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[1] On leave of absence.

SAMUEL KAPLAN, M.S., M.D., *Associate in Obstetrics and Gynecology*
SAMUEL HENRY KRAINES, B.S., M.D., *Associate in Neuropsychiatry*
HAROLD IRVING MEYER, M.S., M.D., *Associate in Surgery*
OSCAR BENJAMIN RAGINS, B.S., M.D., *Associate in Medicine*
PAUL WINSTON SMITH, Ph.D., *Associate in Physiology*
EMIL JAMES STEIN, M.D., *Associate in Surgery, and Instructor in Anatomy*
HENRY OSCAR WERNICKE, A.B., M.D., *Associate in Surgery*
VICTOR LEVINE,[1] B.S., M.D., *Associate in Pathology*
HAROLD CHARLES LUETH,[1] B.M., M.S., M.D., *Associate in Medicine*

Lecturers

ELMER DEWITT BROTHERS, B.S., LL.B., *Lecturer in Medical Jurisprudence,* Emeritus
CLARENCE WEINERT MUEHLBERGER, Ph.D., *Lecturer in Toxicology*
WARREN GARFIELD MURRAY, M.D., *Lecturer in Criminology, Social Hygiene, and Medical Jurisprudence*
MAJOR HENRY WORTHINGTON, M.D., *Lecturer in Hospital Organization and Administration*
RODNEY HOWE BRANDON, *Lecturer in Criminology, Social Hygiene, and Medical Jurisprudence*

Instructors

MAURICE JOSEPH ROSE, B.S., M.D., *Instructor in Obstetrics and Gynecology*
WALTER RATHFON FISCHER, B.S., M.D., *Instructor in Orthopaedics*
BENJAMIN MORDECAI LEVIN, B.S., M.D., *Instructor in Pediatrics*
NORBERT PAUKER, B.S., M.D., *Instructor in Pediatrics*
JOSEPH WALKON PLATIN, M.D., *Instructor in Urology*
JOHN AMBROSE CLARK BUSBY, M.S., M.D., *Instructor in Obstetrics and Gynecology*
LOUIS JOSEPH HALPERN, B.S., M.D., *Instructor in Pediatrics*
ALFONS R. BACON, B.S., M.D., *Instructor in Obstetrics and Gynecology*
ABE LOUIS AARONSON, M.S., M.D., *Instructor in Medicine*
MAT BLOOMFIELD, B.S., M.D., *Instructor in Obstetrics and Gynecology*
PERCY JOSEPH DELANO, B.S., M.D., *Instructor in Surgery*
JOHN ANTHONY SULDANE, M.D., *Instructor in Pediatrics*
MARION HOOD, Ph.D., *Instructor in Medicine*
LOUIS N. BOELIO, B.S., M.D., *Instructor in Anatomy*
MAX ELEAGER FISCH, M.S., M.D., *Instructor in Anatomy and in Medicine*
ROBERT PRESTON MACFATE, Ch.E., M.S., *Instructor in Physiological Chemistry and Assistant Director of the Hospital Laboratory*
HENRY R. KRASNOW, M.D., *Instructor in Dermatology*
IRWIN G. SPIESMAN, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
HERBERT ELI MCDANIELS, M.S., *Instructor in Bacteriology and Public Health*
CARL OSCAR GOTFRIED ALMQUIST, B.S., M.D., *Instructor in Surgery*
HAROLD HERRIN HILL, B.S., M.D., *Instructor in Obstetrics and Gynecology*
JANE ROSE MCLAUGHLIN, A.B., R.N., *Instructor in Obstetrics and Gynecology*
MILTON JOSEPH SUMMERVILLE, A.B., M.D., *Instructor in Obstetrics and Gynecology*
OLIVER EDWARD VANALYEA, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
ARTHUR JETHRO COOMBS, A.B., M.D., *Instructor in Laryngology, Rhinology, and Otology*

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[1] Beginning January 1, 1936.

John W. Harned, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
Earle Rupert Pace, A.B., M.D., *Instructor in Dermatology*
Melvin Louis Afremow, M.S., M.D., *Instructor in Medicine*
Myrtle Barbara Crudim, B.S., M.D., *Instructor in Medicine*
George Edward DeTrana, B.S., M.D., *Instructor in Medicine*
Hymen William Golub, B.S., M.D., *Instructor in Medicine*
Eugene Grosz, M.D., *Instructor in Medicine*
Julius A. Gurvey, B.S., M.D., *Instructor in Medicine*
Melvin Reese Guttman, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
Benjamin Pearlman, B.S., M.D., *Instructor in Medicine*
Lars Freman Gulbrandsen,[1] M.D., *Instructor in Bacteriology and Public Health, and Assistant in Pediatrics*
Herman Louis Mishkin, B.S., M.D., *Instructor in Surgery, and Assistant in Anatomy*
Samuel Mordecai Morwitz, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
Charles Otis Smith, A.B., B.S., M.D., *Instructor in Obstetrics and Gynecology*
Leon Krohn, B.S., M.D., *Instructor in Obstetrics and Gynecology*
Samuel Peluse, B.S., M.D., *Instructor in Medicine and in Surgery*
Colquitt Otis Ritch, B.S., M.D., *Instructor in Urology*
George Thomas Murphy, M.S., M.D., *Instructor in Surgery*
Philip Frederic Schneider, M.D., *Instructor in Obstetrics and Gynecology*
Reuben Isadore Klein, M.S., M.D., *Instructor in Pathology*
Noah Daniel Fabricant, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
Louis Zolo Fishman, M.S., M.D., *Instructor in Laryngology, Rhinology, and Otology, and Assistant in Anatomy*
Henry Chaskell Schorr, B.S., M.D., *Instructor in Dermatology*
Abraham Risel Hollender, M.D., *Instructor in Laryngology, Rhinology, and Otology*
Emil Weiss, M.D., *Instructor in Bacteriology and Public Health*
William Kenneth Ford, M.D., *Instructor in Dermatology*
Frank Herman Fowler, M.D., *Instructor in Pathology*
Alex Benjamin Ragins, M.S., M.D., *Instructor in Pathology*
Carroll W. Stuart, D.D.S., M.S., M.D., *Instructor in Bacteriology and Public Health*
David Mansowit, B.S., M.D., *Instructor in Pediatrics*
Jacob Warren Fischer, B.S., M.D., *Instructor in Medicine*
Mrs. Beulah Chamberlain Bosselman, A.B., M.D., *Instructor in Neuropsychiatry*
Mrs. Irene Case Sherman, Ph.D., M.D., *Instructor in Neuropsychiatry*
Leo E. Amtman, B.S., M.D., *Instructor in Medicine*
Richard Milton Davison, M.D., M.S., *Instructor in Surgery*
Jay Webb Lowell, M.D., *Instructor in Ophthalmology*
John Charles McMillan, Jr., B.S., M.D., *Instructor in Medicine*
Roy Otis Riser, B.S., M.D., *Instructor in Ophthalmology*
Carl Julius Gustafson, B.S., M.D., *Instructor in Bacteriology and Public Health*
George Fielding Hibbert, B.S., M.D., *Instructor in Obstetrics and Gynecology*
Eugene Lester Baker, B.S., M.D., *Instructor in Surgery*
Ralph Henry Kuhns, B.S., M.D., *Instructor in Neuropsychiatry*

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[1] Resignation effective February 1, 1936.

FOSTER LAMONT MCMILLAN, B.S., M.D., *Instructor in Surgery*
GUY V. PONTIUS, B.S., M.D., *Instructor in Surgery*
JOSEPH CYRUS RHEINGOLD, M.D., M.S., *Instructor in Neuropsychiatry*
PAUL CHESTER BEAVER, Ph.D., *Instructor in Pathology*
RAYMOND GREEN, B.S., M.D., *Instructor in Surgery*
ROBERT COOMBS, B.S., M.D., *Instructor in Surgery*
MARION CECILE CORRIGAN, B.S., M.D., *Instructor in Pathology*
SOL ROY ROSENTHAL, M.D., Ph.D., *Instructor in Bacteriology and Public Health*
CECIL DAVID BROWN, B.S., M.D., *Instructor in Surgery*
IRVING DREYER, M.S., M.D., *Instructor in Medicine*
JOHN TALBOT GERNON, B.S., M.D., *Instructor in Urology*
WILLIAM JAMES GILLESBY, B.S., M.D., *Instructor in Surgery*
EDWARD J. HORICK, B.S., M.D., *Instructor in Ophthalmology*
JOHN STEWART HOWE, A.B., M.D., *Instructor in Pathology*
RAYMOND CLIFFORD INGRAHAM, Ph.D., *Instructor in Physiology*
ROBERT MOORE JONES, A.B., M.D., *Instructor in Medicine*
AARON B. KENDRICK, Ph.D., *Instructor in Medicine*
LOUIS ROBERT LIMARZI, B.S., M.D., *Instructor in Medicine*
LEO FREDERICK MILLER, B.S., M.D., *Instructor in Orthopaedics*
EMANUEL PADNOS, B.S., M.D., *Instructor in Pediatrics*
MAHLON PHELPS PALMER, A.B., M.D., *Instructor in Laryngology, Rhinology, and Otology*
EDWIN WILLIAM PASSARELLI, B.S., M.D., *Instructor in Medicine*
JEREMIAH QUIN,[1] B.S., M.D., *Instructor in Medicine*
HAROLD SHELLOW, B.S., M.D., *Instructor in Dermatology*
HENRY ABRAHAM SIEGAL, B.S., M.D., *Instructor in Medicine*
CONRAD SAMUEL SOMMER, M.S., M.D., *Instructor in Criminology, Social Hygiene, and Medical Jurisprudence*
FREDERICK STEIGMANN, B.S., M.D., *Instructor in Medicine*
HAROLD CARL STRUCK, Ph.D., *Instructor in Physiology*
CLARA DEBORAH TIGAY, A.B., M.D., *Instructor in Pediatrics*
ARTHUR ABRAHAM HALEVY, M.D., *Instructor in Surgery*
ROBERT HENRY KREHBIEL, Ph.D., *Instructor in Anatomy*
RUSSELL LOWELL MIXTER, M.S., *Instructor in Anatomy*
CATHERINE VIRGINIA FISHER, Ph.D., *Instructor in Pathology and Bacteriology*
MARVIN GEORGE FLANNERY, A.B., B.S., M.D., *Instructor in Surgery*
EPHRAIM FRANK GOODMAN, B.S., M.D., *Instructor in Surgery*
LOUIS WILLARD SHABAT, A.B., B.S., M.D., *Instructor in Surgery*
DAVID HOWARD WAGNER, M.D., M.S., *Instructor in Surgery*
WILLIAM CARL BECK, A.B., B.M., M.D., *Instructor in Surgery*
SYLVIO AMEDEO SCIARRETTA, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
NELL TREVA PATTENGALE,[2] B.S., M.D., *Instructor in Radium Therapy*
LOUIS GOODMAN,[3] M.D., *Instructor in Pathology*
DAVID SMEATON JAFFRAY,[4] B.S., M.D., *Instructor in Surgery*
LEO CLIFFORD CLOWES,[5] A.B., M.D., *Instructor in Surgery*
SAMUEL HERBERT RICHMAN,[6] M.D., *Instructor in Roentgenology*
JOHN EUGENE LOTSPIECH,[7] B.S., M.D., *Instructor in Surgery*

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[1] Resignation effective December 1, 1935.
[2] Beginning November 15, 1935.
[3] Beginning January 1, 1936.
[4] Beginning January 6, 1936.
[5] Beginning February 1, 1936.
[6] Beginning February 14, 1936.
[7] Beginning April 1, 1936.

The Main Laboratory Building of the Colleges of Medicine and Dentistry

The Campus Viewed from the Southeast, With the Research and Educational Hospital in the Foreground

Assistants

Samuel Jacob Burrows, M.D., *Assistant in Anatomy*
Morris Louis Parker, B.S., M.D., *Assistant in Surgery*
Herman J. Pilka, B.S., M.D., *Assistant in Anatomy*
Jacob Paskind, M.D., *Assistant in Neuropsychiatry*
Adeline Rawson White, B.S., M.D., *Assistant in Anatomy*
Frances Agnes Briggs, M.S., *Assistant in Physiological Chemistry*
Mrs. Isabelle Clark Dorrell, B.S., *Assistant in the Hospital Laboratory*
Cecil Claude Harvey, M.S., *Assistant in Physiological Chemistry*
John A. Higgins, D.D.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
Milo Edward Vacin, M.D., *Assistant in Anatomy*
Meredith Louis Hult Ostrom, M.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Helen Woodward, M.S., *Research Assistant in Pediatrics*
Harold Leo Klawans, B.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Virgil Arnett Gant, M.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
Martin Henry Seifert, Ph.G., B.S., M.D., *Assistant in Anatomy*
David Charles Simon, B.S., M.D., *Assistant in Medicine*
Theodore John Wachowski, B.S., M.D., *Assistant in Roentgenology*
Maurice Schneider, M.D., *Assistant in Pediatrics*
Frederick William Schacht, M.S., M.D., *Assistant in Urology*
Elmer Emanuel Swanson, A.B., B.S., M.D., *Assistant in Anatomy*
John Michael Benedetto, B.S., M.D., *Assistant in Medicine*
Philip Montgomery Law, M.D., *Assistant in Medicine*
Mrs. Rudla Burns Rind, B.S., M.D., *Assistant in Medicine*
Henry Pickett Dorman, M.D., Ph.D., *Assistant in Medicine*
Morris Aaron Kaplan, M.S., M.D., *Assistant in Medicine*
Everett Arthur Grimmer, D.D.S., *Assistant in Dental Surgery*
Sol M. Abelson, B.S., M.D., *Assistant in Pediatrics*
Jacob Joseph Baratz, B.S., M.D., *Assistant in Pediatrics*
Roosevelt Brooks, M.D., *Assistant in Ophthalmology*
Josephine Marion Dyniewicz, Ph.G., Ph.C., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
Edgar Herman Arthur Kramp, B.S., D.D.S., *Assistant in Oral Surgery, and Instructor in Dental Pathology and Therapeutics*
George William Marquardt, D.D.S., *Assistant in Oral Surgery*
George Henry Rezek, A.B., M.D., *Assistant in Obstetrics and Gynecology*
John Robert Wolff, M.D., *Assistant in Obstetrics and Gynecology*
John Todd Reynolds, M.S., M.D., *Assistant and First Junior Resident in Surgery*
Louis Bernard Shapiro, B.S., M.D., *Assistant in Neuropsychiatry*
Isadore Elihu Steck, M.S., M.D., *Assistant in Physiology*
Homer Vernon Wilburn, A.B., M.D., *Assistant in Medicine*
Henry A. Greenebaum, B.S., M.D., *Assistant in Medicine*
Harold Mark Hoover, B.S., M.D., *Assistant in Medicine*
Clair Martin Carey, B.S., M.D., *Assistant in Obstetrics and Gynecology*
John Patrick Mulcahy, B.S., M.D., *Assistant in Ophthalmology*
Eugene John Rooney, M.D., *Assistant in Medicine*
Milton Charles Schell, M.D., *Assistant in Medicine*

Samuel Irwin Ditkowsky, B.S., M.D., *Assistant in Medicine*
Howard Jack LeVine, B.S., M.D., *Assistant in Medicine*
William Howard Newton, B.S., M.D., *Assistant in Medicine*
Abraham Happy Rudolph, B.S., M.D., *Assistant in Medicine*
Edward Charles Bernell, M.S., M.D., *Assistant in Obstetrics and Gynecology*
Emanuel Aloysius Kominik, B.S., M.D., *Assistant in Bacteriology and Public Health*
Milton Mitchell Mosko, B.S., M.D., *Assistant in Medicine*
Horace Edward Turner, B.S., M.D., *Assistant in Medicine*
Howard Zeitlin, M.S., M.D., *Assistant in Neuropsychiatry and in Pathology*
Fred John Roos, M.D., *Assistant and Resident in Obstetrics and Gynecology*
Paul Henry Holinger, M.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Noah Meyer Koenigsburg,[1] B.S., M.D., *Assistant in Obstetrics and Gynecology*
Mrs. Margaret Eugenie Milliken, M.S., *Assistant in Pathology and in the Hospital Laboratory*
Samuel Julian Nichamin, A.B., M.D., *Assistant in Pediatrics*
Samuel B. Broder, M.D., M.S., *Assistant and Senior Resident in Neuropsychiatry*
Howard Matthew Jacobs, B.S., M.D., *Assistant in Pediatrics*
Bruno Blumklotz, M.D., *Assistant in Laryngology, Rhinology, and Otology*
Herman Abraham Levy, B.S., M.D., *Assistant in Medicine*
Stanislaus Andrew Szurek, M.S., M.D., *Assistant in Neuropsychiatry*
Philip Thorek, B.S., M.D., *Assistant in Anatomy and in Surgery*
Albert Nehf, B.S., M.D., *Assistant in Anatomy*
Alice Childs, B.S., M.D., *Assistant in Medicine*
Ben William Lichtenstein, M.D., M.S., *Assistant in Neuropsychiatry*
Hershel Meyer, B.S., M.D., *Assistant in Medicine*
John D. Singer, B.S., M.D., *Assistant in Medicine*
Irving Kaufman, M.S., M.D., *Assistant in Medicine*
Thomas Joseph Conley, B.S., M.D., *Assistant in Medicine*
Ewind Walter Dahl, B.S., *Assistant in Bacteriology and Public Health*
Louis Leonard Fiorito, B.S., M.D., *Assistant in Medicine*
Olive Marion Geis, B.S., *Assistant in the Hospital Laboratory*
Arthur Valentine Bergquist, B.S., M.D., *Assistant in Anatomy*
Frank Benson Deardorff, B.S., M.D., *Assistant and Out-Patient Resident in Obstetrics and Gynecology*
Robert Edward Dyer, B.S., M.D., *Assistant in Anatomy*
Samuel Gero Seinfeld, M.D., *Assistant in Anatomy*
Joseph Simons, M.S., M.D., *Assistant in Anatomy*
Wilfred Farber Stafford, B.S., M.D., *Assistant and Resident in Orthopaedics*
Edward Joseph Steiner, B.S., M.D., *Assistant in Medicine*
Edward Stuart Baxter, B.S., M.D., *Assistant in Pediatrics*
Ellis Bonnell, M.D., *Assistant in Neuropsychiatry*
Marie Louise Connelly, A.B., B.S., M.D., *Assistant in Radiology*
Wesley Axel Gustafson, M.D., *Assistant and Senior Resident in Surgery*
Rudolph Hecht, M.S., M.D., *Assistant in Medicine*
Kenneth S. Kemmerer,[2] Ph.D., *Assistant in Pharmacology*
Burton Conwell Kilbourne,[3] M.D., *Assistant and Second Junior Resident in Surgery*
Harold Simons, B.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Joseph Stagman, M.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*

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[1] Resignation effective April 1, 1936.
[2] Resignation effective October 31, 1935.
[3] Beginning January 1, 1936.

ALEXANDER TISH, B.S., M.D., *Assistant in Pediatrics*
EMIL AMELOTTI, M.S., *Assistant in Physiology*
PERCIVAL LEMON CLARK, JR., M.S., M.D., *Assistant in Obstetrics and Gynecology*
NATHANIEL GLICKMAN, B.S., *Assistant in Physiology*
JACOB FRANCIS HAHN, B.S., *Assistant in Pathology and Bacteriology*
NELL HIRSCHBERG, A.M., *Assistant in Pathology and Bacteriology*
LOUIS DAVID JOSEPH, M.D., *Assistant in Anatomy*
W. MAYO LARSON, B.S., M.D., *Assistant in Anatomy*
HERMAN CHARLES MASON, M.S., *Assistant in Pathology and Bacteriology*
NORMAN SHURE, B.S., M.D., *Assistant in Medicine*
ARTHUR RUDOLPH WEIHE, B.S., M.D., *Assistant in Anatomy*
MRS. VIRGINIA LOUISE BRACHVOGEL,[1] B.S., *Assistant in the Hospital Laboratory*
NATHAN BREWER,[2] B.S., *Assistant in Pharmacology*
NORMAN A. WIEN, B.S., M.D., *Assistant in Medicine*
HENRY S. CAMBRIDGE,[2] B.S., M.D., *Assistant in Surgery*
RICHARD REDNER RALL,[2] B.S., M.D., *Assistant in Surgery*
LESTER ALLEN RISKIND,[2] B.S., M.D., *Assistant in Surgery*
RALPH PHILLIP DARLING,[3] A.M., *Assistant in Criminology, Social Hygiene, and Medical Jurisprudence*
WILLIAM ALLISON BOICE,[4] A.B., M.D., *Assistant in Obstetrics and Gynecology*
GEORGE CHARLES COE,[5] B.S., M.D., *Assistant in Medicine*
EMANUEL JOSHUA FEINHANDLER,[5] B.S., M.D., *Assistant in Medicine*
VINCENT CHARLES FREDA,[4] B.S., M.D., *Assistant in Obstetrics and Gynecology*
WILLIAM FRANCIS JACOBS,[6] A.B., B.S., M.D., *Assistant in Medicine*
ISRAEL IRVING RITTER,[6] B.S., M.D., *Assistant in Medicine*
MITCHELL ABRAHAM SPELLBERG,[5] B.S., M.D., *Assistant in Medicine*
CHARLES THEODORE POULSON,[5] B.S., M.D., *Assistant in Medicine*

Librarians

WILMA ALLENE TROXEL, A.M., *Librarian*
MARGARET MARY BATES, *Assistant Librarian*

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[1] Beginning December 1, 1935.
[2] Beginning January 1, 1936.
[3] Beginning February 15, 1936.
[4] Beginning March 1, 1936.
[5] Beginning April 1, 1936
[6] Beginning March 7, 1936.

INDEX TO NAMES OF MEMBERS OF THE FACULTY

1935-36

Name	*Department*	*Rank*
Aaronson, Abe L.	Medicine	Instructor
Abelson, Sol M.	Pediatrics	Assistant
Afremow, Melvin L.	Medicine	Instructor
Almquist, Carl O. G.	Surgery	Instructor
Amelotti, Emil	Physiology	Assistant
Amtman, Leo E.	Medicine	Instructor
Apple, Carl	Ophthalmology	Associate
Arnold, Lloyd	Bacteriology, Public Health	Professor
Bachem, Albert	Physiology	Professor
Bacon, Alfons R.	Obstetrics, Gynecology	Instructor
Bacon, Charles S.	Obstetrics, Gynecology	Professor, *Emeritus*
Baker, Eugene L.	Surgery	Instructor
Bamberger, Arrie	Surgery	Associate Professor
Baratz, Jacob J.	Pediatrics	Assistant
Barrick, Roy G.	Criminology	Assistant Professor
Baxter, Edward S.	Pediatrics	Assistant
Beach, Samuel C.	Bacteriology, Public Health	Associate
Beard, Hallard	Ophthalmology	Associate Professor
Beaver, Paul C.	Pathology	Instructor
Beck, Joseph C.	Otolaryngology	Associate Professor, *Emeritus*
Beck, William C.	Surgery	Instructor
Becker, Israel	Medicine	Associate
Benedetto, John M.	Medicine	Assistant
Bergeim, Olaf	Physiological Chemistry	Associate Professor
Bergquist, Arthur V.	Anatomy	Assistant
Bernell, Edward C.	Obstetrics, Gynecology	Assistant
Birch, Carroll L.	Medicine	Assistant Professor
Blatt, Maurice L.	Pediatrics	Professor
Bloomfield, Mat	Obstetrics, Gynecology	Instructor
Blumklotz, Bruno	Otolaryngology	Assistant
Boelio, Louis N.	Anatomy	Instructor
Boice, William A.	Obstetrics, Gynecology	Assistant
Boikan, William S.	Medicine	Associate
	Pathology	Instructor
Bolotin, Max T.	Medicine	Associate
Bonin, Gerhardt von	Anatomy	Assistant Professor
Bonnell, Ellis	Neuropsychiatry	Assistant
Bosselman, Beulah C.	Neuropsychiatry	Instructor
Bower, Lester E.	Pediatrics	Assistant Professor
Brachvogel, Virginia L.	Hospital Laboratory	Assistant
Brandon, Rodney H.	Criminology	Lecturer
Bredlau, Ernest A.	Otolaryngology	Associate
Brewer, Nathan	Pharmacology	Assistant
Briggs, Frances A.	Physiological Chemistry	Assistant
Broder, Samuel B.	Neuropsychiatry	Assistant
Bronstein, I. Pat	Pediatrics	Associate
Brooks, Roosevelt	Ophthalmology	Assistant
Brothers, Elmer D.	Medical Jurisprudence	Lecturer, *Emeritus*
Brown, Andrew W.	Criminology	Associate Professor
Brown, Cecil D.	Surgery	Instructor
Browne, William H.	Obstetrics, Gynecology	Assistant Professor
Brunner, Robbie N.	Anaesthesia	Associate
Burling, Fred T.	Criminology	Associate
Burrows, Samuel J.	Anatomy	Assistant
Busby, John A. C.	Obstetrics, Gynecology	Instructor
Byford, Henry T.	Obstetrics, Gynecology	Professor, *Emeritus*
Calvin, Joseph K.	Pediatrics	Assistant Professor
Cambridge, Henry S.	Surgery	Assistant
Camp, Walter J. R.	Pharmacology	Professor
Carey, Clair M.	Obstetrics, Gynecology	Assistant

Name	*Department*	*Rank*
Caro, Marcus R.	Dermatology	Associate
Chamberlain, Iris M.	Pediatrics	Associate
Chauvet, Frank	Medicine	Associate Professor
Childs, Alice	Medicine	Assistant
Cipriani, John B.	Medicine	Assistant Professor
Clark, James W.	Ophthalmology	Associate
Clark, Percival L.	Obstetrics, Gynecology	Assistant
Clowes, Leo C.	Surgery	Instructor
Coe, George C.	Medicine	Assistant
Cole, Arthur G.	Physiological Chemistry	Assistant Professor
Cole, Warren H.	Surgery	Professor
Conley, Thomas J.	Medicine	Assistant
Connelly, Marie L.	Roentgenology	Assistant
Coombs, Arthur J.	Otolaryngology	Instructor
Coombs, Robert	Surgery	Instructor
Cooper, Arthur R.	Anatomy	Associate Professor
Cornbleet, Theodore	Dermatology	Assistant Professor
Corrigan, Marion C.	Pathology	Instructor
Croutch, Benjamin F.	Surgery	Associate
Crudim, Myrtle B.	Medicine	Instructor
Dahl, Ewind W.	Bacteriology, Public Health	Assistant
Dalitsch, Walter W.	Medicine	Associate
Darling, Ralph P.	Criminology	Assistant
Davis, David J.	Pathology	Dean and Professor
Davis, Haim I.	Psychiatry	Professor, *Emeritus*
Davison, Charles	Surgery	Professor, *Emeritus*
Davison, Richard M.	Surgery	Instructor
Deardorff, Frank B.	Obstetrics, Gynecology	Assistant
DeLano, Percy J.	Surgery	Instructor
DeTrana, George E.	Medicine	Instructor
Deuss, Hugo O.	Medicine	Assistant Professor
Diamond, Isadore B.	Neuropsychiatry	Assistant Professor
Ditkowsky, Samuel I.	Medicine	Assistant
Dorman, Henry P.	Medicine	Assistant
Dorrell, Isabelle C.	Hospital Laboratory	Assistant
Dreyer, Irving	Medicine	Instructor
Dyas, Frederick G.	Surgery	Professor
Dyer, Robert E.	Anatomy	Assistant
Dyniewicz, Josephine M.	Pharmacology	Assistant
Earle, Frank B.	Pediatrics	Professor, *Emeritus*
Ewert, Earl E.	Surgery	Associate
Ewing, Paul L.	Pharmacology	Associate
Fabricant, Noah D.	Otolaryngology	Instructor
Falls, Frederick H.	Obstetrics, Gynecology	Professor
Fantus, Bernard	Pharmacology	Professor
Feinhandler, Emanuel J.	Medicine	Assistant
Feldman, Louis	Medicine	Associate
Findlay, Ephraim K.	Ophthalmology	Professor
Fiorito, Louis L.	Medicine	Assistant
Fisch, Max E.	Anatomy, Medicine	Instructor
Fischer, Jacob W.	Medicine	Instructor
Fischer, Walter R.	Orthopaedics	Instructor
Fisher, Catherine V.	Pathology, Bacteriology	Instructor
Fishman, Louis Z.	Otolaryngology Anatomy	Instructor Assistant
Flannery, Marvin G.	Surgery	Instructor
Foley, Edmund	Medicine	Assistant Professor
Folk, Max L.	Ophthalmology	Assistant Professor
Ford, William K.	Dermatology	Instructor
Fowler, Frank H.	Pathology	Instructor
Fox, Noah	Otolaryngology	Associate
Freilich, Ellis B.	Medicine	Associate Professor
Freda, Vincent C.	Obstetrics, Gynecology	Assistant

Name	*Department*	*Rank*
French, Thomas M.	Criminology	Associate
Gamble, William E.	Ophthalmology	Professor, *Emeritus*
Gant, Virgil A.	Pharmacology	Assistant
Gasul, Benjamin M.	Pediatrics	Associate
Geis, Olive M.	Hospital Laboratory	Assistant
Gellhorn, Ernst	Physiology	Professor
Gernon, John T.	Surgery	Instructor
Gillesby, William J.	Surgery	Instructor
Gitelson, Maxwell	Criminology	Associate
Glickman, Nathaniel	Physiology	Assistant
Goldberg, Benjamin	Medicine	Associate Professor
Goldberger, Solomon M.	Pediatrics	Associate
Goldwasser, Moses	Medicine	Associate
Golub, Hymen W.	Medicine	Instructor
Goodman, Ephraim F.	Surgery	Instructor
Goodman, Louis	Pathology	Instructor
Green, Raymond	Surgery	Instructor
Greenebaum, Henry A.	Medicine	Assistant
Greengard, Joseph	Pediatrics	Associate
Grimmer, Everett A.	Orthopaedics	Assistant
Grosz, Eugene	Medicine	Instructor
Gulbrandsen, Lars F.	Bacteriology, Public Health	Instructor
	Pediatrics	Assistant
Gurvey, Julius	Medicine	Instructor
Gustafson, Carl J.	Bacteriology, Public Health	Instructor
Gustafson, Wesley A.	Surgery	Assistant
Guttman, Melvin R.	Otolaryngology	Instructor
Hahn, Jacob F.	Pathology, Bacteriology	Assistant
Halevy, Arthur A.	Surgery	Instructor
Halper, Philip A.	Otolaryngology	Associate
Halpern, Louis J.	Pediatrics	Instructor
Hammond, Walter C.	Obstetrics, Gynecology	Assistant Professor
Hark, Frederick W.	Orthopaedics	Assistant Professor
Harned, John W.	Otolaryngology	Instructor
Harsha, William M.	Surgery	Professor, *Emeritus*
Hartung, Adolph	Roentgenology	Professor
Harvey, Cecil C.	Physiological Chemistry	Assistant
Hassin, George B.	Neuropsychiatry	Professor
Hazlett, William H.	Surgery	Assistant Professor
Hecht, Rudolph	Medicine	Assistant
Herrold, Russell D.	Surgery	Associate Professor
Hess, Julius H.	Pediatrics	Professor
Hibbert, George F.	Obstetrics, Gynecology	Instructor
Hick, Ford K.	Medicine	Associate
Higgins, John A.	Pharmacology	Assistant
Hill, Harold H.	Obstetrics, Gynecology	Instructor
Hirschberg, Nell	Pathology, Bacteriology	Assistant
Hoffman, Samuel J.	Pediatrics	Associate
Holinger, Paul H.	Otolaryngology	Assistant
Hollender, Abraham R.	Otolaryngology	Instructor
Hood, Marion	Medicine	Instructor
Hoover, Harold M.	Medicine	Assistant
Horick, Edward J.	Ophthalmology	Instructor
Howe, John S.	Pathology	Instructor
Hull, Thomas G.	Bacteriology, Public Health	Assistant Professor
Humiston, Charles E.	Surgery	Professor, *Emeritus*
Ingraham, Raymond C.	Physiology	Instructor
Irish, Henry E.	Pediatrics	Professor
Jacobs, Howard M.	Pediatrics	Assistant
Jacobs, William F.	Medicine	Assistant
Jaffè, Richard H.	Pathology	Professor
Jaffray, David S.	Surgery	Instructor
Jenkins, Richard L.	Criminology, Physiology	Assistant Professor
Jirka, Frank J.	Surgery	Assistant Professor

Name	*Department*	*Rank*
Joannides, Minas	Surgery	Associate
Johnson, Clarence A.	Physiological Chemistry	Associate
Johnson, Nobel G.	Medical Jurisprudence	Associate
Jones, Robert M.	Medicine	Instructor
Jones, Thomas S.	Medical Illustration	Associate Professor
Joranson, Yngve	Anatomy	Assistant Professor
Joseph, Louis D.	Anatomy	Assistant
Kampmeier, Otto F.	Anatomy	Professor
Kaplan, Morris A.	Medicine	Assistant
Kaplan, Samuel	Obstetrics, Gynecology	Associate
Kaufman, Irving	Medicine	Assistant
Kaufman, Samuel I.	Ophthalmology	Associate
Kearns, Jerry J.	Pathology	Associate
Keeton, Robert W.	Medicine	Professor
Kemmerer, Kenneth S.	Pharmacology	Assistant
Kendrick, Aaron B.	Medicine	Instructor
Kilbourne, Burton C.	Surgery	Assistant
Klawans, Harold L.	Otolaryngology	Assistant
Klein, Reuben I.	Pathology	Instructor
Klemptner, Dietrich	Medicine	Associate
Kobak, Alfred J.	Obstetrics, Gynecology	Associate
Koenigsburg, Noah M.	Obstetrics, Gynecology	Assistant
Kominik, Emanuel A.	Bacteriology, Public Health	Assistant
Kordenat, Ralph A.	Surgery	Assistant Professor
Koucky, John D.	Surgery	Associate Professor
Kraines, Samuel H.	Neuropsychiatry	Associate
Kramp, Edgar H. A.	Surgery	Assistant
Krasnow, Henry R.	Dermatology	Instructor
Krehbiel, Robert H.	Anatomy	Instructor
Kremer, Rudolph J.	Pathology	Assistant Professor
Krohn, Leon	Obstetrics, Gynecology	Instructor
Kronenberg, Milton H.	Medicine, Bacteriology	Associate
Kuhns, Ralph H.	Neuropsychiatry	Instructor
Ladd, Robert L.	Pathology	Assistant Professor
Lambert, Claude N.	Orthopaedics	Associate
Lang, John M.	Obstetrics, Gynecology	Assistant Professor
Larson, W. Mayo	Anatomy	Assistant
Lash, Abraham F.	Obstetrics, Gynecology	Assistant Professor
Law, Philip M.	Medicine	Assistant
Lederer, Francis L.	Otolaryngology	Professor
Leichenger, Harry	Pediatrics	Associate
Levin, Benjamin M.	Pediatrics	Instructor
LeVine, Howard J.	Medicine	Assistant
Levine, Victor	Pathology	Associate
Levinson, Samuel A.	Pathology Medicine	Associate Professor Assistant Professor
Levinthal, Daniel H.	Orthopaedics	Assistant Professor
Levy, Herman A.	Medicine	Assistant
Lewison, Maurice	Medicine	Professor
Lichtenstein, Ben W.	Neuropsychiatry	Assistant
Lifvendahl, Richard A.	Obstetrics, Gynecology	Associate
Limarzi, Louis R.	Medicine	Instructor
Livingston, George S.	Otolaryngology	Associate
Lotspiech, John E.	Surgery	Instructor
Low, Abraham A.	Neuropsychiatry	Assistant Professor
Lowell, Jay W.	Ophthalmology	Instructor
Lueth, Harold C.	Medicine	Associate
Lusk, Frank B.	Medicine	Associate Professor
Lyon, Will F.	Surgery	Assistant Professor
McArthur, Selim W.	Surgery	Associate Professor
McDaniels, Herbert E.	Bacteriology, Public Health	Instructor
McGuigan, Hugh A.	Pharmacology	Professor
McKenna, Charles M.	Surgery	Professor
McLaughlin, Jane R.	Obstetrics, Gynecology	Instructor
McMillan, Foster L.	Surgery	Instructor

Name	*Department*	*Rank*
McMillan, John C., Jr.	Medicine	Instructor
MacFate, Robert P.	Physiological Chemistry	Instructor
Mackay, Roland P.	Neuropsychiatry	Associate Professor
Malcolm, Robert B.	Surgery	Associate Professor
Mansowit, David	Pediatrics	Instructor
Marquardt, George W.	Surgery	Assistant
Marshall, William A.	Orthopaedics	Associate
Martin, Leon W.	Obstetrics, Gynecology	Associate
Maryan, Harry O.	Obstetrics, Gynecology	Associate
Mason, Herman C.	Pathology, Bacteriology	Assistant
Melnick, Perry J.	Pathology	Associate
Mettler, Lee H.	Neurology	Professor, *Emeritus*
Meyer, Harold I.	Surgery	Associate
Meyer, Hershel	Medicine	Assistant
Meyer, Jacob	Medicine	Associate Professor
Miller, Leo F.	Orthopaedics	Instructor
Milles, George	Pathology	Assistant Professor
Milliken, Margaret E.	Pathology	Assistant
Mishkin, Herman L.	Surgery	Instructor
	Anatomy	Assistant
Mixter, Russell L.	Anatomy	Instructor
Mohr, George J.	Criminology	Associate Professor
Moore, Ernest S.	Medicine	Associate Professor, *Emeritus*
Mora, Jacob M.	Surgery	Assistant Professor
Morwitz, Samuel M.	Otolaryngology	Instructor
Mosko, Milton M.	Medicine	Assistant
Muehlberger, Clarence W.	Pharmacology	Lecturer
Mulcahy, John P.	Ophthalmology	Assistant
Murphy, Frank G.	Orthopaedics	Assistant Professor
Murphy, George T.	Surgery	Instructor
Murray, Warren G.	Criminology	Lecturer
Nadeau, Oscar E.	Surgery	Associate Professor
Nedzel, Alexander J.	Bacteriology, Public Health	Associate Professor
Nehf, Albert	Anatomy	Assistant
Neiman, Benjamin H.	Pathology	Associate
Nelson, Tell	Medicine	Associate
Newberger, Charles	Obstetrics, Gynecology	Assistant Professor
Newman, Henry P.	Gynecology	Professor, *Emeritus*
Newton, William H.	Medicine	Assistant
Nichamin, Samuel J.	Pediatrics	Assistant
O'Conor, Vincent J.	Surgery	Associate Professor
Oden, Rudolph J. E.	Surgery	Associate
Oldberg, Eric	Surgery	Associate Professor
Olkon, David M.	Neuropsychiatry	Assistant Professor
Ostrom, Meredith L. H.	Otolaryngology	Assistant
Pace, Earle R.	Dermatology	Instructor
Padnos, Emanuel	Pediatrics	Instructor
Palmer, Mahlon P.	Otolaryngology	Instructor
Parker, Morris L.	Surgery	Assistant
Paskind, Jacob	Neuropsychiatry	Assistant
Passarelli, Edwin W.	Medicine	Instructor
Pattengale, Nell T.	Otolaryngology	Instructor
Pauker, Norbert	Pediatrics	Instructor
Pearlman, Benjamin	Medicine	Instructor
Peluse, Samuel	Medicine, Surgery	Instructor
Percy, Nelson M.	Surgery	Professor
Perlstein, Minnie O.	Dermatology	Associate
Perlstein, Samuel	Medicine	Associate Professor
Petersen, William F.	Pathology	Professor
Phifer, Charles H.	Surgery	Professor
Pierce, Norval H.	Otolaryngology	Professor, *Emeritus*
Piette, Eugene C.	Pathology	Assistant Professor
Pilka, Herman J.	Anatomy	Assistant
Pilot, Isadore	Medicine, Pathology	Associate Professor

Name	*Department*	*Rank*
Platin, Joseph W.	Surgery	Instructor
Poncher, Henry G.	Pediatrics	Associate Professor
Pontius, Guy V.	Surgery	Instructor
Portis, Bernard	Surgery	Associate
Post, George W.	Surgery	Associate Professor
Poulson, Charles T.	Medicine	Assistant
Propst, Duane W.	Medicine	Assistant Professor
Puestow, Charles B.	Surgery	Assistant Professor
Pusey, William A.	Dermatology	Professor, *Emeritus*
Quin, Jeremiah	Medicine	Instructor
Rabens, Isidore A.	Medicine	Assistant Professor
Ragins, Alex B.	Pathology	Instructor
Ragins, Oscar B.	Medicine	Associate
Rall, Richard R.	Surgery	Assistant
Rappaport, Ben Z.	Medicine	Associate
Rattner, Herbert	Dermatology	Associate
Reed, Carlos I.	Physiology	Associate Professor
Reynolds, John T.	Surgery	Assistant
Rezek, George H.	Obstetrics, Gynecology	Assistant
Rheingold, Joseph C.	Neuropsychiatry	Instructor
Richman, Samuel H.	Roentgenology	Instructor
Rind, Rudla B.	Medicine	Assistant
Riser, Roy O.	Ophthalmology	Instructor
Riskind, Lester A.	Surgery	Assistant
Ritch, Colquitt O.	Surgery	Instructor
Ritter, Israel I.	Medicine	Assistant
Robins, Louis S.	Pediatrics	Associate
Rooney, Eugene J.	Medicine	Assistant
Roos, Fred J.	Obstetrics, Gynecology	Assistant
Rose, Maurice J.	Obstetrics, Gynecology	Instructor
Rosenblum, Philip	Pediatrics	Assistant Professor
Rosenthal, Sol R.	Bacteriology, Public Health	Instructor
Rudolph, Abraham H.	Medicine	Assistant
Saltiel, Thomas P.	Pediatrics	Associate
Saphir, Otto	Pathology	Associate Professor
Sarma, P. Joseph	Surgery	Assistant Professor
Sawyer, Alvah L.	Medicine	Assistant Professor
Schacht, Frederick W.	Surgery	Assistant
Schell, Milton C.	Medicine	Assistant
Schneider, Maurice	Pediatrics	Assistant
Schneider, Philip F.	Obstetrics, Gynecology	Instructor
Schorr, Henry S.	Dermatology	Instructor
Schroeder, Paul L.	Criminology	Professor
Schultz, Louis	Surgery	Professor, *Emeritus*
Schultz, Louis W.	Surgery	Associate
Sciarretta, Sylvio A.	Otolaryngology	Instructor
Scott, Russell A.	Obstetrics, Gynecology	Associate
Scuderi, Carlo S.	Surgery	Associate
Seed, Lindon	Surgery	Associate Professor
Seifert, Martin H.	Anatomy	Assistant
Seinfeld, Samuel G.	Anatomy	Assistant
Senear, Francis E.	Dermatology	Professor
Shabat, Louis W.	Surgery	Instructor
Shapiro, Louis B.	Neuropsychiatry	Assistant
Shapiro, Sherman L.	Otolaryngology	Associate
Shellow, Harold	Dermatology	Instructor
Sherman, Irene C.	Neuropsychiatry	Instructor
Shure, Norman	Medicine	Assistant
Siegal, Henry A.	Medicine	Instructor
Simer, Parke H.	Anatomy	Associate
Simon, David C.	Medicine	Assistant
Simons, Harold	Otolaryngology	Assistant
Simons, Joseph	Anatomy	Assistant
Singer, Harry A.	Medicine	Associate Professor
Singer, Harold D.	Neuropsychiatry	Professor

Name	*Department*	*Rank*
Singer, John D.	Medicine	Assistant
Sloan, Leroy H.	Medicine	Associate Professor
Smith, Charles O.	Obstetrics, Gynecology	Instructor
Smith, Hiram J.	Ophthalmology	Assistant Professor
Smith, Paul W.	Physiology	Associate
Solomon, Alfred P.	Neuropsychiatry	Assistant Professor
Soloway, Saul S.	Medicine	Associate
Sommer, Conrad S.	Criminology	Instructor
Spellberg, Mitchell A.	Medicine	Assistant
Spiesman, Irwin G.	Otolaryngology	Instructor
Spivack, Julius L.	Surgery	Assistant Professor
Stafford, Wilfred F.	Orthopaedics	Assistant
Stagman, Joseph	Otolaryngology	Assistant
Steck, Isadore E.	Physiology	Assistant
Steigmann, Frederick	Medicine	Instructor
Stein, Emil J.	Surgery Anatomy	Associate Instructor
Steiner, Edward J.	Medicine	Assistant
Stephens, Virgil R.	Surgery	Associate
Stone, Frank L.	Obstetrics, Gynecology	Assistant Professor
Strauss, Sidney	Medicine	Professor
Streicher, Michael H.	Medicine	Assistant Professor
Struck, Harold C.	Physiology	Instructor
Stuart, Carroll W.	Bacteriology, Public Health	Instructor
Suldane, John A.	Pediatrics	Instructor
Summerville, Milton J.	Obstetrics, Gynecology	Instructor
Swanson, Elmer E.	Anatomy	Assistant
Szurek, Stanislaus A.	Neuropsychiatry	Assistant
Takats, Géza de	Surgery	Assistant Professor
Tarnowsky, George de	Surgery	Professor
Theobald, John J.	Otolaryngology	Assistant Professor
Theobald, Walter H.	Otolaryngology	Assistant Professor
Thomas, Henry B.	Orthopaedics	Professor
Thorek, Philip	Anatomy, Surgery	Assistant
Tice, Frederick	Medicine	Professor, *Emeritus*
Tigay, Clara D.	Pediatrics	Instructor
Tish, Alexander	Pediatrics	Assistant
Turner, Horace E.	Medicine	Assistant
Vacin, Milo E.	Anatomy	Assistant
VanAlyea, Oliver E.	Otolaryngology	Instructor
VanderKloot, Albert	Medicine	Assistant Professor
Van Hazel, Willard	Surgery	Assistant Professor
Visscher, Maurice B.	Physiology	Professor
Wachowski, Theodore J.	Roentgenology	Assistant
Wagner, David H.	Surgery	Instructor
Webb, Richard L.	Anatomy	Assistant Professor
Weihe, Arthur R.	Anatomy	Assistant
Weinfeld, Gustave F.	Pediatrics	Associate
Weiss, Emil	Bacteriology, Public Health	Instructor
Welker, William H.	Physiological Chemistry	Professor
Wernicke, Henry O.	Surgery	Associate
White, Adeline R.	Anatomy	Assistant
Wien, Max S.	Dermatology	Associate Professor
Wien, Norman A.	Medicine	Assistant
Wilburn, Homer V.	Medicine	Assistant
Wilson, Franklin S.	Medicine	Assistant Professor
Wolff, John R.	Obstetrics, Gynecology	Assistant
Wood, Casey A.	Ophthalmology	Professor, *Emeritus*
Woodward, Helen	Pediatrics	Research Assistant
Worthington, Major H.	Criminology	Lecturer
Yarros, Rachelle S.	Social Hygiene	Professor
Zechel, Gustav L.	Anatomy Surgery	Assistant Professor Associate
Zeitlin, Howard	Neuropsychiatry, Pathology	Assistant
Zimmermann, Arnold A.	Anatomy	Associate Professor

THE COLLEGE OF MEDICINE

History

The College of Medicine opened its doors on October 14, 1881, as a proprietary medical school known as "The College of Physicians and Surgeons of Chicago." It first became affiliated with the University of Illinois in 1897, the name was officially changed in 1900 to "The College of Medicine of the University of Illinois," and in 1913 all of the property and the entire issue of stock of the old institution were transferred to the University.

Buildings

The first unit of the Medical and Dental College Laboratories Building, facing on Polk and Lincoln Streets, and connecting directly with the Research and Library Building on the north and with the Research and Educational Hospital on the south, has been in operation since 1931. A new unit, which will house the College of Dentistry and provide additional laboratory and research space for several departments of the College of Medicine, is under construction and should be ready for use by October, 1937. The new unit, facing on Polk and Wood Streets, will be connected directly with the first unit and also with the Research and Educational Hospital. The Library consists of two large reading rooms with more than 46,000 volumes and an extensive list of medical periodicals. Desk space is provided for persons interested in research. In addition to the large laboratories for class work, there are numerous small laboratories designed for individual research projects.

The Department of Public Welfare of the State of Illinois has constructed an extensive group of hospitals and laboratories adjoining the buildings of the University and has made a cooperative agreement by which additional facilities for teaching and investigation are afforded to the faculty of the College of Medicine. The units now in operation include the Research and Educational Hospital, the Out-Patient Dispensary, the Orthopaedic Institute, the Psychiatric Institute, and the Institute for Juvenile Research.

The Research and Educational Hospital, with provision for 400 beds, connects directly with the classrooms and laboratories and has been designed for teaching and investigation. The Out-Patient Dispensary, which occupies the main floor of this hospital, possesses adequate and comfortable waiting rooms, suitable suites for all divisions of clinical work, a large amphitheatre, electrocardiographic and hydrotherapeutic units, and rooms for preparing and dispensing drugs. The Dispensary is divided into twelve departments: medicine, surgery, urology, obstetrics, gynecology, pediatrics, orthopaedics, otolaryngology, dermatology, ophthalmology, neurology, and roentgenology. At present the number of treatments is limited to about 120,000 per year.

Active teaching is also being conducted at the present time in the following hospitals: the Cook County Hospital, the Illinois Charitable Eye and Ear Infirmary, the Municipal Contagious Hospital, the Augustana Hospital, the Michael Reese Hospital, and the St. Luke's Hospital.

Admission

Applications for admission must be made to the Examiner of the College of Medicine in Chicago. Credentials covering all college and high school work must be sent directly to the Examiner from each institution attended. No student who is on scholastic probation at, or who has been dropped for poor scholarship from, the last institution attended prior to seeking admission will be considered. The number of first-year students is restricted by space limitations.

PRESENT REQUIREMENTS

For admission to the College of Medicine, candidates must present satisfactory evidence of six years of work as follows. (*Note:* These are minimum requirements; for a broader foundation, see page 28.)

1. Four years of work in an accredited high school or the equivalent, comprising not fewer than fifteen units in acceptable subjects, including prescribed subjects as follows:

	UNITS
English	3
Algebra	1
Plane geometry	1
Latin, Greek, German, or French (both units in the same language)	2
History and civics	1
Electives	7
Total	15

2. Two years of work in a recognized college or university, comprising not less than sixty semester hours, exclusive of military, hygiene, and physical education. (By a *semester hour* is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.) Each applicant, whether from the University of Illinois, or from other institutions of recognized standing, must have attained in his pre-medical work a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (*see note 1, below*). In determining the scholastic average, grades received in military science, physical education, and hygiene will not be considered. The work must include prescribed and elective subjects as follows:

	SEMESTER HOURS
Chemistry (including four hours of organic chemistry)	12
Physics (at least two hours of laboratory work)	8
Zoology (at least four hours of laboratory work, *see note 2, below*)	8
English	6
German, French (*see note 3, below*)	6
Electives outside of the chemical, physical, and biological sciences (*see note 4, below*)	6
Free electives (*see note 4, below*)	14
Total	60

Note 1: Grades.—This rule is interpreted according to the number of passing grades. In a system of four passing grades, A, B, C, and D, the literal grades are translated into figures as follows: A = 5; B = 4; C = 3; D = 2; E (condition) = 1; F (failure) = 0. Where there are more or less than four passing grades, the computation is adjusted to make the same level of accomplishment apply. The individual grades are multiplied by the respective number of semester hours which each represents, and the sum of these products is divided by the total number of semester hours taken. In the case of courses which have been repeated, both grades earned will be counted in computing the average.

Note 2: Zoology.—Four of these eight semester hours must consist of laboratory work. This requirement must include a course in general zoology and one in vertebrate zoology. Botany is not accepted as meeting any part of the requirement.

Note 3: German, French.—The student is urged to secure a reading knowledge in one of these languages. This will ordinarily require at least six hours of work in the same language in college after two years in high school, or two full years of work in college if the language was not begun in high school.

Note 4: Electives.—Psychology should be the first elective and Mathematics the second elective. Other electives may be chosen from the following: Botany, Chemistry (physical chemistry and quantitative analysis), Drawing, Economics, English, Greek, History, Latin, Logic, Political Science, Sociology, Zoology.

No Conditions Permitted.—The requirements as listed above must be met in full before admission will be granted. No deficiencies are permitted.

Health Certificate.—Each applicant for admission, before he will be permitted to register, must present a certificate from his family physician indicating (a) good physical condition, (b) freedom from respiratory and dental infections, (c) successful vaccination against smallpox, and (d) Schick and Dick reactions. If a student is unable to show negative Schick and Dick reactions, he must report to the University Health Officer for immunization before registration for the second year.

Physical examinations during the first year are compulsory, and every effort is made by the Health Service of the College of Medicine to assist each student in solving his own health problems throughout his course.

Renewing Applications.—An applicant who has been granted admission to the College of Medicine but fails to enroll, and who wishes to enter in a subsequent year, must re-apply for admission and must meet all the requirements in force at the time of such new application.

Procedure for Students Who Have Completed Their Pre-Medical Work at the University of Illinois.—The seven-year medical curriculum offered by the University of Illinois consists of two years of pre-professional work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (for these four years a B.S. degree may be given), two years of clinical work in the College of Medicine in Chicago (for the four years in the College of Medicine the student at his option may receive the degree of Bachelor of Medicine), and one year as an interne in a hospital approved by the University. The registration of students at Urbana who have completed the requirements of the first two years of the medical curriculum (the pre-professional work) is continued in the College of Medicine. Students admitted to the pre-professional curriculum at Urbana who have taken any college work elsewhere will be considered for admission on the same basis as students from other institutions. Registration of students entitled to continue in the College of Medicine is subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar, on a form provided by the Registrar, not later than March 1 of the year in which he proposes to continue his work in the College of Medicine in Chicago.
2. The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of a deposit of $15.00 within two weeks of the date of notification that he will be admitted. Failure to pay this deposit within the specified time will subject the applicant to forfeiture of his place. If he enters, the deposit will be applied on the fees of the first semester.
3. No student who is on probation in the University (or who has been dropped from the University for poor scholarship) at the time he seeks to continue his University registration in the College of Medicine, has any claim to precedence in registration over students who come with clear records from the University of Illinois or other institutions.
4. No student at Urbana will be permitted to transfer his registration to the College of Medicine while his record shows a deficiency in any of the subjects which, as general requirements of the University, are a part of his curriculum.
5. The registration of non-residents of Illinois can be continued in the College of Medicine only provided there is room after all properly qualified residents of the state have been accommodated.

Procedure for Students who Have Completed Their Pre-Medical Work at Institutions Other Than the University of Illinois.—The order of admission to the College of Medicine of students who have completed their pre-medical work at institutions other than the University of Illinois shall be based upon their scholastic records; provided that the minimum scholastic average in all cases shall be equivalent to a 3.5 average in the University's grading system, as now required. The scholastic records of all such applicants shall be averaged on or about July 1, and the first-year class shall be filled by assigning to it applicants in the order of their scholastic standing, beginning with the highest ranking applicant; vacancies which may occur after all places in the class have been assigned may be filled from the remaining applicants in the order of their scholastic standing.

Preference to Illinois Residents.—In considering applications for admission, preference will be given to candidates who are residents of Illinois. Places in the first-year class shall be assigned to applicants from Cook County and to applicants from Illinois outside of Cook County in the proportion which each area bears to the total population of the state according to the latest federal census; provided that if at any time the quota from either area is not filled the remaining places may be assigned to applicants from the other area. On this basis at the present time approximately fifty per cent of the places in the first-year class will be assigned to applicants from Cook County and fifty per cent to applicants who are residents of Illinois outside of Cook County.

New Requirements

The following new requirements for admission to the College of Medicine will go into full effect when the number of applicants who fulfill them equals the number that can be efficiently accommodated in the first-year class; but beginning in 1937 preference will be given to students who comply with them subject to the conditions as to residence, general scholastic standing, and a prior right of admission on the part of students who have completed the two-year pre-professional curriculum at Urbana and apply for transfer to the College of Medicine on or before the beginning of the academic year 1938-39.

1. Four years in an accredited high school or the equivalent, with not less than fifteen units of credit.
2. Not less than eighty-eight semester hours in a recognized college or university, exclusive of military, hygiene, and physical education. Each applicant, whether from the University of Illinois or from another institution, must have attained a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (*see Note 1,* page 26). The eighty-eight semester hours must include the following:

	Semester Hours
Chemistry (including introductory courses and four hours in organic, three in quantitative, and three in physical chemistry), not less than	16
Physics (including laboratory work in mechanics, heat, sound, light, and electricity), not less than	8
Biology (including general and vertebrate zoology and general embryology), not less than	10
English, not less than	6
German or French (*see Note 3,* page 26), not less than	6
Social sciences (including at least two of the following fields: anthropology, economics, history, philosophy, political science, psychology, and sociology), not less than	14
Electives to a make a total of	88

The Dean and the Registrar may waive full compliance with the course specifications in the case of applicants possessing unusually high qualifications.

Courses Offered at Urbana

While the minimum requirements for admission prescribe two years of liberal arts and science work, it is to the advantage of the student to present more than this amount of pre-medical work. Attention is called to the fact that the University at Urbana offers the student his choice of the following combinations:

1. *A seven-year curriculum*—two years in a recognized college of liberal arts and sciences followed by five years in the College of Medicine. The work of the first two years must include certain prescribed subjects. On the completion of the first two years in the College of Medicine, students may receive the degree of Bachelor of Science; and on the completion of the five years in the College of Medicine, they receive the degree of Doctor of Medicine.

2. *An eight-year curriculum*—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts or Bachelor of Science. On the completion of the remaining four years in the College of Medicine they receive the degree of Doctor of Medicine.

3. *A nine-year curriculum*—four years in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts or Bachelor of Science, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to students who are of the average age of graduation from the public high schools.

Advanced Standing

Because of the limitations of space, the membership of each class is strictly limited. Applications for admission with advanced standing to any class will not be considered until vacancies are certain to occur. In case there are vacancies to be filled preference will be given to those applicants who are residents of Illinois and who present the strongest records.

In general, the administration cannot determine definitely whether there will be vacancies, or the number of vacancies, until the day of registration.

No student who is on probation at, or who has been dropped for any reason from, a college of medicine will be considered for admission.

Requirements for Graduation

For the Bachelor of Science Degree.—A student must have secured passing grades in all the courses of the first two years in the College of Medicine and have passed the comprehensive examinations required at the end of the second year.

For the Certificate in Medicine or the Bachelor of Medicine Degree.—Upon the completion of four years in attendance at an approved medical school, of which at least the last year must have been at the University of Illinois, the completion of the prescribed curriculum, and the passing of the comprehensive examinations required at the end of the fourth year, the student is awarded a Certificate in Medicine, or if he wishes to pay the additional fee of $10.00, he may elect to take the degree of Bachelor of Medicine.

For the Doctor of Medicine Degree.—To receive the degree of Doctor of Medicine, the student, after having qualified for the Certificate in Medicine (see preceding statement), must complete satisfactorily a course of not less than twelve months duration in a hospital approved by the University of Illinois,[1] or a year of research work acceptable to the University. He must also have shown evidence of good moral character and have paid all indebtedness to the University.

Graduation with Honors.—A student who complies with the requirements for graduation and who attains in all work presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: For an average grade of not less than 87%, Graduation with Honors; for an average grade of not less than 90%, Graduation with High Honors. The honors conferred shall be noted upon the diploma and the Commencement program.

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[1] See Medical Practice Act of the State of Illinois, Senate Bill No. 439, approved June 30, 1923.

Plan of Instruction

The program of the student during his five years in the College of Medicine is arranged according to the following plan:

During the first two years the work is confined mainly to the fundamental sciences, and the time of the student is largely spent in the laboratory. During the first year he studies anatomy, histology, embryology, neurology, chemistry, and physiology. In the second year the study of physiology is continued, and in addition the student takes up bacteriology, pathology, laboratory diagnosis, pharmacology, physical diagnosis, and hygiene.

Throughout the first two years there is definite correlation between the clinical and the pre-clinical courses. A regular schedule of lectures by clinical instructors is followed in the courses in anatomy, physiology, and physiological chemistry, to give the student an understanding of the practical applications of the fundamentals which he is studying.

During the third and fourth years the time is devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics. In the dispensary the student examines the cases personally under the guidance of instructors. He is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has opportunity to follow and repeat these and to learn the technique involved.

Throughout the third year emphasis is laid on the acquisition of a thorough knowledge of clinical problems. There are didactic quiz courses in surgery, medicine, pediatrics, obstetrics, urology, orthopaedics, and otolaryngology. In addition to these didactic courses the students attend clinics in each field and spend a large amount of time in the dispensaries (surgery, otolaryngology, obstetrics, urology, and orthopaedics). They also spend a minimum of three hours per day for eight weeks in the wards of the Research and Educational Hospital, the Cook County Hospital, and the Michael Reese Hospital, learning the fundamentals of physical diagnosis and treatment.

In the fourth year the class is divided into two sections; the students in each section attend clinics and lectures during one semester and work in dispensaries and laboratories and on clinical clerkships during the other semester. Each student is required to spend two full weeks, living in quarters specified by the University, on call for twenty-four hours per day for the obstetrical out-patient service. During this clerkship two students are called for each delivery in the Research and Educational Hospital and to attend each delivery supervised through the out-patient service.

All students have experience in the following dispensaries in the fourth year: dermatology, gynecology, medicine, neurology, ophthalmology, pediatrics, and roentgenology. They also work in the general "Admitting Clinic" of the Research and Educational Hospital and spend three weeks in the laboratory, making the common practical tests for dispensary patients. Each student serves a one-week clerkship in the Municipal Contagious Hospital, observing and studying the common contagious diseases. Clerkships are also conducted in the Orthopaedic and Psychiatric Institutes.

In the third year the student must elect two hours per week in each semester. In the fourth year, five and one-half hours per week of elective work must be taken, at least one hour of which must be in surgery. This elective work of the third and fourth years may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular field. The elective work may be counted for graduate credit provided the student qualifies as required by the Graduate School.

The examinations at the end of the second and fourth years are of a comprehensive nature and may be either written or oral.

The fifth year consists of twelve months of interne service in a hospital approved by the University. During the fourth year the students apply to the hospitals in which they wish to serve as internes and, if successful, sign contracts for the service desired. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in any way with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the requirements of the curriculum.

Significance of Grades

The percentage system of grading is used, and 70% is the passing grade. Where it is necessary to translate percentage to literal grades the following values are used: "A," 92 to 100%; "B," 85 to 91%; "C," 75 to 84%; "D," 70 to 74%.

Admission to Licensing Examinations in England

The Royal College of Physicians and Surgeons added the University of Illinois to the list of universities whose medical departments are recognized by that Board. By this action graduates of this institution are exempt from all preliminary examinations and are admitted to the final licensing examination of the Examining Board.

Fees[1] and Expenses

For students in advance of those enrolling in September, 1936:	FIRST YEAR		SECOND YEAR[2]		THIRD YEAR		FOURTH YEAR[2]	
	Illinois	*Non-Ill.*	*Illinois*	*Non-Ill.*	*Illinois*	*Non-Ill.*	*Illinois*	*Non-Ill.*
Matriculation (paid but once)	$ 10.00	$ 10.00	$......	$......	$......	$......	$......	$......
Tuition	119.00	219.00	105.50	205.50	70.00	170.00	70.00	170.00
Laboratory	81.00	81.00	94.50	94.50	130.00	130.00	130.00	130.00
Total	$210.00	$310.00	$200.00	$300.00	$200.00	$300.00	$200.00	$300.00

Note: For students who enter in September, 1936, and thereafter, the tuition fee will be $150.00 a year for residents of Illinois and $225.00 a year for non-residents of Illinois; other fees remain the same as above.

Late Registration Fee.—Former students who enter after the registration days pay a late registration fee of..$ 5.00

Special Examination Fee.—For any special examination a fee of.............. 5.00

Change Fee.—For every change of study-list made later than the Saturday noon following registration, a fee of $1.00 is charged, except that the total charge for the rearrangement authorized on any one change-slip shall not exceed.. 2.00

(The above ruling applies to registration for electives after the dates specified for regular registration.)

Transcript Fee.—Each student who has paid all his University fees is entitled to receive, without charge, one transcript of his record. For additional transcripts, charges are made as follows:

For each original, or first, copy.................................... 1.00

For each carbon copy.. .50

County Hospital Ticket.—Compulsory for third-year and fourth-year students.. 5.00

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[1] The Trustees reserve the right to change the fees at any time through publication in the annual announcement. Laboratory fees are subject to adjustment from year to year.

[2] Graduation fee of $10.00 is required, payable at the end of the second year by students receiving the B.S. degree, and at the end of the fourth year by students receiving the Certificate in Medicine. Payment for the latter covers the M.D. graduation fee. Students receiving the B.M. degree pay, at the end of the fourth year, two graduation fees of $10.00 each, one for the B.M. degree and one for the M.D. degree.

Obstetrical Out-Patient Clerkship Service Fee.—Required of all fourth-year students	$15.00
Listener's or Visitor's Fee.—For each 25 clock hours, or fraction thereof:	
Residents of Illinois pay	10.00
Non-residents of Illinois pay	20.00

Special Fees.—A number of the departments offer Special Courses for Physicians, and work is offered in Medical Illustration. See notations concerning fees under departmental listings of courses. Members of the staffs of the University of Illinois, the Research and Educational Hospitals, the Institute of Juvenile Research, the Cook County Hospital, and the Cook County Morgue are permitted to attend the lectures in these courses without paying the special fees. (No members of the instructional staff are allowed to accept special fees.)

Unclassified Students.—Fees charged unclassified students are based on the amount of work taken.

Payment of Deferred Fees.—In cases of necessity, students may arrange for deferment of fees by calling at the Business Office, Room 110, Medical and Dental College Laboratories Building.

A service charge of ten per cent of the amount of fees deferred, but not to exceed $5.00, will be charged for the privilege of deferring fees, and this charge *must be paid on Registration Day.* If the fees are paid in full within ten days from the date of registration, the service charge will be credited as a part-payment of fees. Otherwise, the service charge is not refundable under any circumstances. The matriculation fee of $10.00 (if not previously paid), not less than twenty-five per cent of the current semester fees, and other fees and outstanding charges, must be paid on Registration Day.

Failure to meet payments of fees within the time limits will cancel at once the privilege of attending classes.

Registration is not completed until fees are paid in full, and no credit will be recorded for class work completed unless all fees and all other charges have been paid in full. Deferred payment of fees delays the completion of registration but extends the privilege of attending classes pending payment of fees in full as described above.

Deposit.—An applicant for admission to the College of Medicine who is assigned a place in any class, is required to make a deposit of $15.00 within two weeks of the date of notification that he will be admitted. This deposit will be applied on fees, including laboratory fees, assessed against him during the first semester. Failure to pay this deposit within the specified time will subject the applicant to the forfeiture of his place. No deposit will be returned unless the applicant notifies the College of Medicine not later than September 1 that he will not be able to enter. The Registrar is authorized to make refunds after September 1 when, in his judgment, the circumstances so justify.

Refunds.—If a student withdraws from the University within ten days after the beginning of instruction, the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of one month, a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months, a refund of one-half of these fees will be made. After two months and before the expiration of three months, a refund of one-fourth of these fees will be made. After the expiration of three months, no part of the fees will be refunded.

Fees for Part-Time Students.—First-year and second-year students, residents of Illinois, registered in any semester for not more than 300 clock hours, pay 20 cents per clock hour plus regular laboratory fees, with a maximum of $75.00 for such partial program. For more than 300 clock hours the full fees will be charged.

Third-year and fourth-year students, residents of Illinois, registered in any semester for not more than 400 clock hours pay 25 cents per clock hour, with a maximum of $80.00 for such partial program. For more than 400 clock hours the full fees will be charged.

Non-state students registered for partial programs pay one and one-half times the above stated fees.

Scholarship students in the College of Medicine registered for partial programs in the third and fourth years pay sixty-five per cent of the above amount to cover dispensary fees.

Scholarship students in the College of Dentistry registered for partial programs in the third and fourth years pay thirty per cent of the above amount for dispensary fees.

Alumni are admitted to all regular undergraduate courses without charges except in laboratory work in which a charge is made for material used.

Books, etc.—The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of textbooks. Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

Living Expenses.—The expenses of living in Chicago are less than in most large cities. From thirty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs. A ten-story Y.M.C.A. building located three blocks from the College affords a comfortable home for students.

Scholarships and Loan Funds

Rea Scholarships.—Through the generosity of the late Professor R. L. Rea, four scholarships each year, awarded by the officers of the faculty, are provided for worthy students. For the session of 1935-36, these scholarships were granted to the following students:

DUANE DELBERT DARLING
BENJAMIN EINHORN
HAROLD DALE HUFF
WILLIAM PHILIP KLEITSCH

Theodore B. Schnitzer Memorial Scholarship.—An annual award of $100 has been made available to a needy Jewish student who ranks in the upper half of his class and who has completed at least one year in the College of Medicine. The scholarship is awarded by a committee of the faculty.

Note.—Students holding the following undergraduate scholarships are exempt from matriculation and tuition fees, but are required to pay all laboratory and dispensary fees:

General Assembly Scholarships.—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships.—For World War Veterans. Special provisions passed by the General Assembly in 1919.

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

Loan Funds.—A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. For more detailed information, apply to the Business Office of the College of Medicine.

Lectureships

In commemoration of members of the alumni, faculty, and student body who lost their lives during the World War, the alumni, faculty, and students have raised a fund sufficient to establish a Memorial Lectureship. At least one lecture is delivered annually by a prominent educator on a subject of general medical interest.

In accordance with the will of Mrs. Albertina Gehrmann, widow of Dr. Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a lectureship in memory of Dr. Gehrmann. The eleventh series of these lectures was delivered in April, 1936, by Dr. Victor G. Heiser, formerly of the Rockefeller Foundation.

In 1927, when Dr. Charles S. Bacon, on reaching the retiring age, was made Professor of Obstetrics, *Emeritus,* members of the faculty and friends of Dr. Bacon contributed the sum of $5,000 to found the Charles S. Bacon Lectureship in Obstetrics. The income from this fund is used to defray expenses of lectures given each year at the College of Medicine. The sixth series of these lectures was delivered in January, 1936, by Dr. Emil Novak, of Johns Hopkins University.

The Chicago Tuberculosis Institute has granted to the College of Medicine $2,500 a year for a period of five years to establish a Theodore B. Sachs Residency in the field of tuberculosis and allied diseases.

Clinical conferences, medico-historical lectures, and the meetings of the Research Club occupy the one o'clock hour each Wednesday of the school year.

Prizes

Dr. Frank Smithies, of Chicago, has endowed an annual prize in memory of William Beaumont, the famous surgeon of the nineteenth century who made valuable contributions to the knowledge of the digestive system. The prize is awarded by a committee appointed by the Dean of the College of Medicine to the student or faculty member of the College of Medicine who submits the best original work on diseases of the alimentary tract. The ninth award was made on June 7, 1935, to Dr. Meyer B. Marks.

COURSES OFFERED IN THE COLLEGE OF MEDICINE

Note: The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise stated, the Arabic numerals following the description of courses indicate the number of one-hour periods per week. The Roman numerals I and II indicate the semester in which the course is given.

ANATOMY

Professors: Kampmeier (Head of the Department).
Associate Professors: Zimmermann, Cooper.
Assistant Professors: von Bonin, Joranson, Webb, Zechel.
Associates: Simer.
Instructors: Stein, Boelio, Fisch, Krehbiel, Mixter.
Assistants: Burrows, Pilka, White, Vacin, Fishman, Seifert, Swanson, Thorek, Nehf, Mishkin, Bergquist, Dyer, Seinfeld, Simons, Joseph, Larson, Weihe.

Required Courses—First Year

1-4. Human Anatomy.—To insure greater correlation and unity in presentation of the subject matter, the following major divisions are merged into a single course extending continuously throughout both semesters. Credit toward graduation is not allowed for either semester separately. The total time, 608 hours, is apportioned approximately as follows: histology, 144 hours; embryology, 72 hours; regional and systematic anatomy, 288 hours; neurology, 72 hours. One hour per week during the two semesters (32 hours total for the year) is set aside for introductory clinical demonstrations, presented by selected members of the several clinical departments, and designed to illustrate the application of anatomical knowledge in medical and surgical practice. Of the 336 anatomical hours in the first semester, and 272 in the second, approximately three-fourths of the time is given to laboratory work, and the remaining one-fourth to lectures, demonstrations, and quizzes. Professor Kampmeier and other members of the staff.

Required Courses—Third Year

30. Topographical Anatomy.—Redissection of the body, stressing the topography and relations of the various regions and organs, as displayed by incisions, window dissections, and transections; intimate correlation of subject matter with clinical conditions and procedure. I, (4). Assistant Professor Zechel and other members of the staff.

Elective Courses

50. Microscopical Technic.—Preparation of tissues for study; methods of maceration, decalcification, injection, corrosion, preservation, fixation, embedding, sectioning, staining, clearing, mounting, etc. One 2-hour period per week. I and II, (2). Registration limited. Dr. Boelio.

51. Anatomy of Fetus and Child.—Dissection of the fetus; consideration of problems of growth during prenatal and postnatal periods of life. Two 2-hour periods per week. I or II, (4). Registration limited. Associate Professor Zimmermann.

52. COMPARATIVE NEUROLOGY.—A comparative study of the morphology of the central nervous system, particularly of those animals in the phylogenetic line leading to man; a consideration also of related problems in comparative embryology, physiology, and psychology in their bearing on clinical neurology. Two 1-hour periods per week. I, (2). Assistant Professor VON BONIN.

53. PREPARATIONS FOR ANATOMICAL MUSEUM.—The creation of special dissections, reconstructions, models, and demonstration specimens for the anatomical teaching collection requiring skill, ingenuity, neatness, and accuracy in execution. Two 2-hour periods per week. I and II, (4). Limited to two or three qualified students. Professor KAMPMEIER and other members of the staff.

54. PHYSICAL ANTHROPOLOGY.—Phylogeny of human races; anthropometry of living and skeletal material; anthropogeography; racial physiology and pathology; growth of populations and racial distributions of modern man; social anthropology; racial psychology and eugenics. Two 2-hour periods per week. I, (4). Assistant Professor VON BONIN.

SEMINAR.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication; presentation and discussion of the results of investigations.

Special Courses for Physicians

90. DISSECTION.—This course for physicians and surgeons provides for complete or partial dissection of the human cadaver. The length of time allotted depends on the subject matter to be covered, and on the laboratory space available. Special instruction is given only if four or more persons are taking the course at the same time, and if they arrange for such instruction. The fee for four months is $100 and may be shared by two students. If only certain parts of the cadaver are dissected, the fee is proportionately less. (*Note:* Physicians and surgeons who are members of the staff of the College of Medicine have the privilege of dissection in the Department of Anatomy after payment of a fee covering the bare cost of the material.) Professor KAMPMEIER, Associate Professor COOPER.

Courses for Graduate Students

101. ADVANCED ANATOMY.—The work may take the direction either of macroscopic or of microscopic anatomy, or of both, according to the student's major problem: in macroscopic anatomy, a detailed redissection of the human body, or any of its parts; in microscopic anatomy (embryology, cytology, histology, etc.), a consideration of morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. (Work in the laboratory for tissue culture in association with Assistant Professor ZECHEL). Course designed for students choosing anatomy as a minor, and for students preparing for individual research in anatomy. (*1 to 2 units*). Professor KAMPMEIER, Assistant Professor VON BONIN.

103. INDIVIDUAL RESEARCH.—In embryology, cytology and histology, neurology, anthropology and biometrics, experimental morphology, functional and applied anatomy. (*1 to 3 units*). Professor KAMPMEIER, Assistant Professor VON BONIN.

CRIMINOLOGY, SOCIAL HYGIENE, AND MEDICAL JURISPRUDENCE

Professors: Schroeder (Head of the Department), Yarros.
Associate Professors: Brown, Mohr.
Assistant Professors: Barrick, Jenkins.
Associates: Burling, Johnson, Gitelson, French.
Lecturers: Brothers (Emeritus), Murray, Worthington, Brandon.
Instructors: Sommer.[1]
Assistants: Darling.[2]

Required Courses—Third Year

10. Criminology and Behavior Problems.—Designed to orientate the student in the principles of diagnosis and treatment of conduct disorders of the delinquent adult and child. II, (1). Professor Schroeder.

Required Courses—Fourth Year

50. Medical Jurisprudence.—Eight weeks, II, (1). Mr. Johnson.
51. Medical Sociology.—General outline of social hygiene, its program, and its relation to health and family welfare; responsibility of the physician as to the development of normal sex attitudes; prostitution as the largest contributing cause of venereal disease; modern attitudes toward prostitution. Eight weeks, II, (1). Professor Yarros.

Elective Courses—Fourth Year

70. Mental Hygiene.—Management of behavior difficulties in young children. Case presentation and discussion. Eight weeks, II, (1). Professor Schroeder and Dr. French.

71. Mental Hygiene.—Mental hygiene of adolescence. Educational counsel and vocational guidance. Eight weeks, II, (1). Dr. Gitelson.

72a. Clinical Administration of Behavior Problems (Juvenile).—Causes of juvenile delinquency; individualization in treatment, with attention to relationship of physician in court procedure. I, (1). Dr. Gitelson.

72b. Clinical Administration of Behavior Problems (Adult).—Individualization in treatment of adult offenders. A study of personality and the determinants of deviations in behavior with respect to the relationships within the situation of the individual. Synthesis is attempted through a system of classification according to personality type, etiology, prognosis, and the indicated therapy. I, (1). Dr. Barrick.

73. Criminal Identification.—Application of physical structure and functions in identification of criminals. Eight weeks, I, (1). Dr. Lyon.

74. Hospital Organization and Administraton.—Eight weeks, I, (1). Dr. Worthington.

75. Introduction to Public Welfare Administration.—Eight weeks, I, (1). Mr. Brandon.

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[1] Resignation effective January 31, 1936.

[2] Beginning February 15, 1936.

76. PSYCHOLOGY OF NEUROTIC BEHAVIOR.—Lectures and discussions. Brief outline of emotional development of the child. Case discussions illustrating the influence of disturbances in emotional development in causation of behavior problems of childhood, and of neuroses and criminal behavior in adult life. II, (1). Associate Professor MOHR, Dr. FRENCH.

Special Courses for Physicians

90. LECTURES AND CONFERENCES.—The treatment of behavior problems in children is properly a function of the pediatrician and the general practitioner. This course is designed to meet the needs of the physician in the recognition and treatment of such problems. The course will consist of an organized program of case presentations followed by discussions, dealing with behavior disorders as a symptom of organic disease, the recognition and management of mental deficiency, problems of habit training (bed wetting, anorexia, etc.), behavior disorders due to unhealthy parent-child relationships, and delinquency. Eight evening meetings. Hours to be arranged. Fee, $10, except to members of the staff.

90a. CLINICAL COURSE.—*Prerequisite:* Course 90. (*Note:* Course 90 may be taken concurrently with 90a.) Analysis and treatment of behavior problems in children under supervision in the clinic of the Institute for Juvenile Research. Duration, four months. Six hours weekly to be arranged. Fee, $40.

Courses for Graduate Students

101. RESEARCH IN JUVENILE BEHAVIOR.—(*1 to 3 units*). Professor SCHROEDER.
102. ADVANCED WORK IN JUVENILE BEHAVIOR.—(*1 to 3 units*). Professor SCHROEDER.
103. SPECIAL ABILITIES AND DISABILITIES.—(*1 or 2 units*). Associate Professor BROWN.
104. PSYCHOLOGICAL TESTS.—(*1 or 2 units*). Associate Professor BROWN.
105. PSYCHOLOGY OF BEHAVIOR PROBLEMS.—(*1 or 2 units*). Associate Professor BROWN.

DERMATOLOGY

Professors: SENEAR (Head of the Department), PUSEY (Emeritus).
Associate Professors: WIEN.
Assistant Professors: CORNBLEET.
Associates: CARO, RATTNER, PERLSTEIN.
Instructors: KRASNOW, PACE, SCHORR, FORD, SHELLOW.
Cooperating: Professor BACHEM, Dr. FISHER.

Required Courses—Third Year

10. DIDACTIC LECTURES ON SYPHILIS.—Lectures, lantern slides, and demonstrations. Continuous through I and II, (1). Professor SENEAR, Associate Professor WIEN.

Required Courses—Fourth Year

50. CLINIC.—Case demonstrations with patients from Research and Educational Hospital and Cook County Hospital. Continuous through I and II, (1). Professor SENEAR, Associate Professor WIEN.

51. Dispensary.—Including instruction in roentgenology. Six 2-hour periods for one week, I and II. Professors Senear and Bachem, and other members of the staff.

Elective Courses—Fourth Year

70. Syphilis.—Diagnostic and therapeutic methods. Eight weeks, I and II, (1). Professor Senear, Associate Professor Wien, Assistant Professor Cornbleet.
71. Dermatology.—Special diagnostic and therapeutic methods. Eight weeks, I and II, (1). Professor Senear, Associate Professor Wien, Assistant Professor Cornbleet.
72. Mycotic Diseases of Skin.—Clinical aspects, with laboratory study of methods of demonstration of fungi by direct and cultural procedures. Limited to 12 students. Eight weeks, II, (1). Professor Senear, Assistant Professor Cornbleet, Dr. Fisher.

Courses for Graduate Students

101. Research in Dermatology.—*(1 to 3 units)*. Professor Senear.

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

Professors: Lederer (Head of the Department), Pierce (Emeritus).
Associate Professors: Beck (Emeritus)
Assistant Professors: W. H. Theobald, J. J. Theobald.
Associates: Livingston, Bredlau, Fox, Halper, Shapiro.
Instructors: Spiesman, VanAlyea, Coombs, Harned, Guttman, Morwitz, Fabricant, Fishman, Hollender, Palmer, Sciarretta, Pattengale.
Assistants: Ostrom, Klawans, Holinger, Blumklotz, Simons, Stagman.

Required Courses—Third Year

10. Ear, Nose, and Accessory Sinuses.—Surgical anatomy, physiology, pathology, and treatment. I, (1). Professor Lederer.
11. Mouth, Pharynx, and Larynx.—Surgical anatomy, applied pathology, and treatment. II, (1). Professor Lederer.
12. Conference.—General survey of the field through the medium of quiz groups. I and II, (1). Dr. Morwitz, Dr. Fishman, Dr. Hollender, Dr. Palmer.
13. Dispensary.—Research Hospital. Three 2-hour periods per week. Four weeks, I and II. Professor Lederer and other members of the staff.

Required Courses—Fourth Year

50. Clinical Otolaryngology.—Cases of interest are presented to illustrate the practical points in diagnosis. Indications for treatment and operation are discussed. Research Hospital. One 2-hour period per week. Eight weeks, I. Professor Lederer, Assistant Professors W. H. Theobald and J. J. Theobald, Dr. Shapiro, Dr. VanAlyea, Dr. Fishman.

Elective Courses—Fourth Year

70. Seminar in Otolaryngology.—Presentation and discussion of clinical cases; critical review of results of investigations and current literature. Weekly conferences. Professor Lederer and other members of the staff.

Special Courses for Physicians

90. CLINICAL COURSE.—Primarily for post-graduates in otolaryngology. Designed to present standardized methods in diagnosis and the problems of treatment based upon the pathological findings of cases in the ambulatory clinics of the Research and Educational Hospital. Taking of case histories, methods of examinations, special anatomy (optional), gross pathology, and indications for treatment and operation are stressed. The work is done for the most part independently under proper supervision and direction. An effort is made to assist the students in some of the more difficult phases of their clinical work by practical demonstrations, which are also available for men already established in special practice. The course extends over a period of four months and for three periods a year. The fee for each period of four months is $100. Hours: 10:00 to 12:00 a.m. and 2:00 to 4:00 p.m., six days a week. Professor LEDERER and other members of the staff.

91. FUNCTIONAL TESTS OF THE EAR.—(a) Cochlear apparatus with special consideration of the use of tuning forks. (b) Vestibular apparatus with special reference to the caloric, rotatory, and galvanic tests. 10 hours. Minimum, two students. Fee, $25. Assistant Professor J. J. THEOBALD, Dr. SHAPIRO.

92. TUBERCULOSIS OF THE LARYNX.—Demonstration upon patients of typical aspects of the disease with exact description of differential diagnosis and methods of therapy. Municipal Tuberculosis Sanitarium. 10 hours. Limited to two students. Fee, $50. Professor LEDERER.

93. PHYSICAL THERAPEUTIC PROCEDURES IN OTOLARYNGOLOGY.—Indications and technical application of low-voltage and high-frequency currents, ionization, electrosurgery, and the medical uses of light, heat, and electricity in general. 12 hours. Limited to four students. Fee, $50. Dr. HOLLENDER.

94. HISTOPATHOLOGY OF THE EAR, NOSE, AND THROAT.—Study of gross and microscopic histology and pathology; laboratory technic. 20 hours. Limited to two students. Fee, $50. Professor LEDERER, Dr. FABRICANT.

95. BRONCHOSCOPY AND ESOPHAGOSCOPY.—Demonstration of methods of examination; indications and contraindications; manikin practice; technic of bronchography. Research Hospital. 12 hours. Limited to two students. Fee, $50. Dr. HOLINGER.

96. OTONEUROLOGY.—Vestibular apparatus in relation to labyrinthine disease, brain tumors, and head injuries. 10 hours. Limited to five students. Fee, $25. Dr. SHAPIRO.

97. SURGICAL ANATOMY AND SURGERY OF THE MASTOID.—Demonstration of specimens and technic of operation. Practice on the cadaver. 10 hours. Limited to two students. Fee, $50. Professor LEDERER.

98. (a) SURGICAL ANATOMY OF THE NOSE AND SINUSES. (b) CLINICAL ASPECTS OF SINUS DISEASES.—10 hours. Minimum registration, two students. Fee, $50. Assistant Professor W. H. THEOBALD, Dr. VANALYEA, Dr. L. FISHMAN.

Note: Courses 91 to 98, inclusive, may be registered for individually or in groups, the time being arranged with the instructors. More hours may be arranged by consent of the instructors. Applicants must be graduates of a Class A medical school and present proper credentials acceptable to the chairman of the department for admission.

Courses for Graduate Students

101. RESEARCH IN LARYNGOLOGY, RHINOLOGY, AND OTOLOGY.—(*1 to 3 units*).

MEDICINE

Professors: Keeton (Head of the Department), Tice (Emeritus), Lewison, Strauss.

Associate Professors: Chauvet, Moore (Emeritus), Meyer, Pilot, Goldberg, Freilich, Perlstein, H. A. Singer, Lusk, Sloan.[1]

Assistant Professors: Levinson, Wilson, Sawyer, Cipriani, Foley, Propst, VanderKloot, Birch,[6] Streicher, Deuss, Rabens.

Associates: Rappaport, Goldwasser, Kronenberg, Dalitsch, Feldman, Klemptner, Nelson, Soloway, Becker, Bolotin, Hick, Boikan, Ragins, Lueth.[2]

Instructors: Aaronson, Hood, Fisch, Afremow, Crudim, DeTrana, Golub, Grosz, Gurvey, Pearlman, Peluse, Fischer, Amtman, McMillan, Dreyer, Jones, Kendrick, Limarzi, Passarelli, Quin,[3] Siegal, Steigmann.

Assistants: Simon, Benedetto, Law, Rind, Dorman, Kaplan, Wilburn, Greenebaum, Hoover, Rooney, Schell, Ditkowsky, LeVine, Newton, Rudolph, Mosko, Turner, Levy, Childs, H. Meyer, J. D. Singer, Kaufman, Conley, Fiorito, Steiner, Hecht, Shure, Wien, Coe,[4] Feinhandler,[4] Jacobs,[5] Ritter,[5] Spellberg,[4] Poulson.[4]

Cooperating: Associate Professor Camp, Dr. Cromer.

Required Courses—Second Year

1. Physical Diagnosis.—Practical drill on normal subjects. Small sections. II, (3). Professor Lewison, Associate Professors Chauvet and Freilich.
2. Clinic.—Lectures and conferences with special reference to diseases of metabolism. I, (1). Professor Keeton.

Required Courses—Third Year

10. Systematic Study of Important Diseases.—Lecture and quiz. Continuous through I and II, (2). Assistant Professors Sawyer, Cipriani, VanderKloot, Deuss; Dr. Peluse.
11. Clinic.—Selected topics. Research Hospital. Continuous through I and II, (1). Assistant Professors Birch and Streicher, Dr. Dalitsch, Dr. Hick.
12. Clinic.—Selected topics. Cook County Hospital. Continuous through I and II, (1). Associate Professors Pilot, Freilich, Singer; Assistant Professor Foley.
13. Clinic.—Selected topics, with special reference to diseases of metabolism. Research Hospital. II, (1). Professor Keeton.
14. Clerkships.—History taking and physical diagnosis. Cook County, Michael Reese, and Research Hospitals. Students are directed in their work by the associates of the respective wards. Eight weeks, I and II, (17). Dr. Afremow, Dr. Ragins, Dr. Greenebaum, Dr. Steigmann, Dr. Saphir, Dr. Jones, Dr. Dreyer, Dr. Siegal, Dr. Rabens.
15. Dispensary.—Case presentation of patients studied in course 14, before a section of 20 students under the direction of attending men. Cook County and Research Hospitals. Eight weeks, I and II, (2). Associate Professors Singer, Pilot, Lusk; Assistant Professor Foley.

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[1] Beginning February 1, 1936.

[2] Beginning January 1, 1936.

[3] Resignation effective December 1, 1935.

[4] Beginning April 1, 1936.

[5] Beginning March 7, 1936.

[6] On leave of absence from April 15 to October 15, 1936.

Elective Courses—Third Year

30. DISEASES OF THE LIVER.—I, (1). Dr. DETRANA.
31. DISEASES OF THE GASTRO-INTESTINAL TRACT.—Lectures and demonstrations. I, (1). Associate Professor MEYER.
32. CLINICO-PATHOLOGICAL LECTURES AND DEMONSTRATIONS.—Limited to one-eighth of the class. Eight weeks, II, (1). Associate Professor SINGER.
33. PRINCIPLES OF MEDICINE.—Review course. II, (2). Dr. KRONENBERG.
35. THE PATIENT AS THE UNIT OF PRACTICE.—II, (1). Dr. PROBST.

Required Courses—Fourth Year

50. CLINIC.—Selected topics with especial attention to differential diagnosis. Research Hospital. Continuous through I and II, (1). Professor KEETON.
51. CLINIC.—Selected topics with especial attention to differential diagnosis. Cook County Hospital. Continuous through I and II, (1). Professor STRAUSS, Associate Professors MEYER, SINGER, LUSK.
52. CLINIC.—Diseases in the field of allergy. Research Hospital. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Dr. NELSON, Dr. RAPPAPORT, and associates.
53. CLINIC.—Chest and respiratory diseases. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Associate Professor FREILICH, Assistant Professors LEVINSON and DEUSS, Dr. RAGINS.
54. CLINIC.—Gastro-intestinal diseases including liver. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Associate Professors MEYER, SINGER, LUSK; Assistant Professors FOLEY, STREICHER.
55. CLINIC.—Hematology. Research Hospital. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Assistant Professor BIRCH, Dr. JONES, Dr. LIMARZI.
56. CLINIC.—Cardiology. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Professor STRAUSS, Associate Professor PERLSTEIN, Dr. BOIKAN.
57. CLINIC.—Cardiology. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Assistant Professors BIRCH and RABENS, Dr. DALITSCH, Dr. HICK.
58. CLINIC.—Kidney and peripheral vascular diseases. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Assistant Professor VANDERKLOOT, Dr. DALITSCH, Dr. HICK, Dr. BOLOTIN, Dr. PASSARELLI, Dr. QUIN.
59. CLINIC.—Therapeutics. Research and Educational Hospital. One 2-hour period per week. Eight weeks, I and II, (2). Professor CAMP, Assistant Professor FOLEY, Dr. HICK, Dr. CROMER.
60. CLINICAL LABORATORY.—Familiarity with routine hospital laboratory procedure is stressed. Five 2-hour periods per week. Three weeks, I and II, (10). Miss HOOD, Dr. KENDRICK, Dr. LIMARZI, and members of the dispensary staff.
61. ADMITTING CLINIC.—Research Hospital. Two 2-hour periods for one week, I and II. Dr. BECKER, Dr. PASSARELLI, and members of the dispensary staff.
62. DISPENSARY.—Training in the practice of medicine; physical examination, history taking, and diagnosis. Research and Educational Hospital. Four hours daily for two weeks, I and II. Members of the dispensary staff.

Elective Courses—Fourth Year

70. Diseases of the Gastro-Intestinal Tract.—Lectures and demonstrations. II, (1). Associate Professor Meyer.
71. Clinico-Pathological Lectures and Demonstrations.—Limited to one-eighth of the class. Eight weeks, II, (1). Associate Professor Singer.
72. Clinical Parasitology.—Limited to eight students. One 2-hour period per week. Eight weeks, I, (2). Miss Hood.
73. Principles of Medicine.—Review course. I, (2). Dr. Kronenberg, Dr. Afremow.
74. Diseases of the Heart, Kidneys, and Blood Vessels.—Selected topics. I, (1). Dr. Feldman.
75. Diseases of the Chest.—II, (1). Assistant Professor Rabens.
76. Tuberculosis.—II, (1). Associate Professor Goldberg.
77. Cardio-Vascular Diseases.—I, (1). Professor Lewison.
78. Problems in Diagnosis.—II, (1).
79. Gastro-Intestinal Disfunction.—I, (1). Dr. McMillan.
80. Dietetics.—Limited to twelve students. Eight weeks, II, (1). Dr. Becker.
81. Allergy.—Limited to twelve students. Eight weeks, II, (1). Dr. Nelson.
82. Cardio-Vascular Disease.—I and II, (1). Dr. Boikan.
83. Tertiary Lues.—I, (1). Dr. Dorman.
84. Hypertensive Diseases.—Eight weeks, I, (1). Dr. Bolotin.
85. History of Medicine.—I, (1).

Courses for Graduate Students

101. Research in Medicine.—(*1 to 3 units*). Professor Keeton, Assistant Professor Birch.

MEDICAL ILLUSTRATION

Associate Professor Jones

Elective Courses for Third-Year and Fourth-Year Students

50. Medical Illustration.—Drawing, including perspective values and their adaptation to the representation of medical subjects; use of media adapted for representing certain conditions and structures, and for special methods of reproduction. Two 2-hour periods per week. I, (4). Limited to four students. Associate Professor Jones.

Special Courses for Non-Medical Students

90. Medical Illustration.—Offered for artists who desire to make a profession of scientific illustration in the field of medicine. The length of the course is two years, and students will work in the illustration studios with the staff artists. Instruction covers the various phases of illustrative work for publication and teaching in anatomy, pathology, surgery, etc., in different media as well as the preparation of scientific and lay exhibits. Students in this course will take the regular medical course in gross anatomy. Candidates for the course must present evidence of thorough general art training as well as scholastic and character credentials. Except in unusual cases applications must be made in person. Class limited to 6 students. Hours 9:00 a.m. to 4:00 p.m. Fee for each semester, $50, plus laboratory fees each semester.

NEUROPSYCHIATRY*

Professors: SINGER (Head of the Department), METTLER (Emeritus), HASSIN, H. I. DAVIS (Emeritus).
Associate Professors: MACKAY.
Assistant Professors: DIAMOND, OLKON, LOW, SOLOMON.
Associates: KRAINES.
Instructors: BOSSELMAN, SHERMAN, KUHNS, RHEINGOLD.
Assistants: PASKIND, SHAPIRO, ZEITLIN, BRODER, SZUREK, LICHTENSTEIN, BONNELL.
Cooperating: Professor SCHROEDER.

Required Courses—Third Year

10. NEUROLOGY.—Lectures on organic diseases of the nervous system with case presentations. II, (1). Assistant Professor OLKON.
11. PSYCHIATRY.—Mental mechanisms and principles of prevention of mental illness. II, (1). Professor SINGER and other members of the staff.

Required Courses—Fourth Year

50. NEUROLOGY.—Lectures and demonstrations of clinical cases. Continuous through I and II, (1). Professor HASSIN.
51. DISPENSARY.—Eight 2-hour periods per week. I and II, (16). Assistant Professors DIAMOND, OLKON, LOW, SOLOMON; Dr. KRAINES, Dr. KUHNS, Dr. RHEINGOLD, Dr. PASKIND.
52. PSYCHIATRY.—Examination of patients and discussion of cases with small groups. I and II, (1½). Professor SINGER and other members of the staff.
53. PSYCHONEUROSES.—Clinic with examination of patients and discussion of cases; methods of diagnosis and therapy. Eight 2-hour periods per week. I and II, (16). Assistant Professors DIAMOND, LOW, SOLOMON.

Elective Courses—Fourth Year

70. NEUROPATHOLOGY.—Eight weeks. II, (1). Limited to one-half of the class. Lectures and lantern-slide demonstrations. Assistant Professor DIAMOND.
71. CLINICAL PSYCHIATRY.—Eight weeks. II, (1). *Prerequisite:* Course 52. Practical demonstrations in the evaluation of symptoms. Professor SINGER and Assistant Professor LOW.

Special Courses for Physicians

90. CLINICAL COURSE.—Designed to present methods of examination and indications for treatment. Includes attendance at clinics and ward rounds, work in anatomy, physiology, pathology, serology, etc. Hours to be arranged. Registration limited. Fee for four-month period, $50.

Courses for Graduate Students

101. RESEARCH IN NEUROLOGY.—(*1 to 3 units*). Professor HASSIN.
102. RESEARCH IN PSYCHIATRY.—(*1 to 3 units*). Professor SINGER.

OBSTETRICS AND GYNECOLOGY

Professors: FALLS (Head of the Department), C. S. BACON (Emeritus), BYFORD (Emeritus), NEWMAN (Emeritus).
Assistant Professors: LANG, HAMMOND, STONE, LASH, BROWNE, NEWBERGER.

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*In September, 1936, there will be established a new department—Neurology and Neurological Surgery—under the headship of Professor Eric Oldberg. The Department of Neuropsychiatry will then become the Department of Psychiatry.

Associates: Martin, Maryan,[1] Lifvendahl, Scott, Kobak, Kaplan.

Instructors: Rose, Busby, A. R. Bacon, Bloomfield, Hill, McLaughlin, Summerville, Smith, Krohn,[1] Schneider, Hibbert.

Assistants: Rezek, Wolff, Carey, Bernell, Roos, Koenigsberg,[3] Deardorff, Clark, Boice,[2] Freda.[2]

A. OBSTETRICS

Required Courses—Third Year

10. Physiology of Pregnancy and Labor.—Lectures, quizzes, and demonstrations. I, (2). Assistant Professors Newberger, Lash, and Browne, Dr. Martin, Dr. Hibbert, Dr. Schneider, Dr. Scott.
11. Pathology of Pregnancy and Labor and the Puerperium.—Lectures, quizzes, and demonstrations. II, (2). Assistant Professors Browne and Newberger, Dr. Martin, Dr. Schneider, Dr. Lash, Dr. Hibbert, Dr. Scott.
12. Dispensary Out-Clinic.—Three 2-hour periods per week. Four weeks, I and II. Assistant Professors Browne and Newberger, Dr. Bloomfield, Dr. Hill, Dr. Rose, Dr. Kaplan, Dr. Scott, Dr. Smith, Dr. Carey, Dr. Schneider, Dr. Hibbert, Dr. Koenigsberg, Dr. Wolff.
13. Obstetrical and Gynecological Laboratory.—Gross and microscopic specimens of such obstetrical complications as ruptured uterus, ablatio placenta, puerperal sepsis, ectopic pregnancy, hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented, and fresh specimens when available. One 2-hour period per week. Eight weeks, I and II. Dr. Hill, Dr. Summerville, Dr. Smith, Dr. Rezek, Dr. Wolff.
14. Cook County Clerkship.—Each third-year student spends a twenty-four hour period on duty in the obstetrical ward in Cook County Hospital, observing all cases delivered during that time. Students see on the average ten deliveries.

Elective Courses—Third Year

(Will not be given for less than 5 students)

30. Toxemias of Pregnancy.—II, (1). Dr. Hill.
31. Cook County Hospital Ward Walk.—Limited to 20 students. Eight weeks, I and II. Assistant Professor Lash, Dr. Kobak.
32. Infections.—Puerperal sepsis, breast absess, pyelitis. II, (1). Dr. Summerville.
33. Sterility and Conception.—I and II, (1). Assistant Professor Stone, Dr. Kobak.
34. Hemorrhages.—I, (1). Dr. Hibbert.
35. Review Course.—II, (1). Dr. Wolff, Dr. Bernell.

Required Courses—Fourth Year

50. Manikin.—Obstetrical operations demonstrated and opportunity afforded to do the operation on the manikin under supervision and to become thoroughly familiar with the instruments and technic of such operations. Small groups and individual instruction. One 2-hour period per week. Eight weeks, I and II. Assistant Professors Browne, Hammond, and Newberger, Dr. Hill, Dr. Summerville, Dr. Hibbert.

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[1] On leave of absence. [2] Beginning March 1, 1936. [3] Resignation effective April 1, 1936.

51. CLINIC.—Demonstration of cases. Research and Educational Hospital. I and II, (1). Professor FALLS, Assistant Professor BROWNE.

52. CLERKSHIP.—During the fourth year, two weeks of full-time clerkships are required. Students are housed in a group near the Research and Educational Hospital and are on call night and day. Two students are assigned to each case and are on duty from the time labor starts until the patient is delivered. They are required to keep records of the labors and the post-partum visits. They are occupied in the obstetrical ward of the hospital when not attending out-patient cases.

Elective Courses—Fourth Year

(Will not be given for less than 5 or more than 15 students)

70. HEART COMPLICATIONS IN PREGNANCY.—II, (1). Dr. SCOTT.
71. MANIKIN.—I, (1). Dr. KOBAK.
72. REVIEW COURSE.—I, (1). Dr. WOLFF, Dr. BERNELL.
73. OPERATIVE OBSTETRICS.—I, (1). Assistant Professor BROWNE.
74. ENDOCRINOLOGY.—I, (1). Dr. SCHNEIDER.

B. GYNECOLOGY

Required Courses—Third Year

30. INTRODUCTION TO GYNECOLOGY.—A few hours are devoted to gynecology and consist of ward walks, pre-operative and post-operative demonstrations. The purpose is to introduce the student to the subjects of gynecology and obstetrics concurrently, thus emphasizing the intimate connection between the two subjects. Cook County and Research and Educational Hospitals. Small groups. One 2-hour period per week. Eight weeks, I and II. Professor FALLS, Assistant Professors STONE and BROWNE, Dr. WOLFF, and other members of the staff.

Required Courses—Fourth Year

60. LECTURE AND QUIZ.—Conferences supplemented by lectures on special topics such as radium and x-ray therapy, sterility and conception, endocrinology, and malignant tumors of the sexual organs. Continuous through I and II, (1). Professor FALLS, Assistant Professors STONE, LASH, and BROWNE, Dr. LIFVENDAHL.

61. SEMINAR.—Eight weeks, I, (1). Assistant Professor LANG, Dr. BACON, Dr. KAPLAN, Dr. KOENIGSBERG.

62. CLINIC.—Operative and demonstration course. Cook County Hospital. One 2-hour period per week. Professor FALLS.

63. DISPENSARY.—Small groups instructed in history-taking and physical examinations; treat minor gynecological complaints under supervision. One 2-hour period daily. Two weeks, I and II. Assistant Professors LANG and STONE, Dr. SCOTT, Dr. KOBAK, Dr. BLOOMFIELD, Dr. HILL, Dr. SUMMERVILLE, Dr. REZEK, Dr. CAREY.

64. CLINIC.—Carcinoma and radium therapy. Research and Educational Hospital. Small groups. Three 3-hour periods for one week. Dr. HILL.

65. CLINIC.—Venereal diagnosis complicating pregnancy. Research and Educational Hospital. Small groups. Three 3-hour periods for one week. Dr. KAPLAN.

66. Pathological Conference and Ward Walk.—Prenatal and postnatal cases. Research and Educational Hospital. Small groups. One 1-hour conference in Hospital Laboratory, followed by one 1-hour ward walk. Assistant Professor Browne.

Elective Courses—Fourth Year

80. Pelvic Neoplasms.—II, (1). Dr. Lifvendahl.
81. Pelvic Inflammation.—II, (1). Dr. Kobak.
82. Uterine Hemorrhages.—II, (1). Dr. Bernell.
83. Menstrual Disorders.—I, (1). Dr. Rezek.
84. Operative Gynecology.—I and II, (1). Professor Falls.
85. Pre-operative and Post-operative Gynecological Treatment.—I, (1). Dr. Wolff.

Courses for Graduate Students

101. Research in Obstetrics and Gynecology.—(*1 to 3 units*). Professor Falls.

OPHTHALMOLOGY

Professors: Findlay, Wood (Emeritus), Gamble (Emeritus).
Associate Professors: Beard.
Assistant Professors: Folk, Smith.
Associates: Kaufman, Apple, Clark.
Instructors: Lowell, Riser, Horick.
Assistants: Brooks, Mulcahy.

Required Courses—Fourth Year

51. Clinic and Practice.—Includes normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts, and study of eye diseases which the general practitioner most frequently encounters. Five 2-hour periods per week. Four weeks, I and II. Assistant Professor Folk.
52. Didactic Ophthalmology.—Illustrated lectures and quizzes. I, (1). Associate Professor Beard, Assistant Professor Folk.

Special Courses for Physicians

90. Clinical Course.—Designed for those who wish to take up ophthalmology as a specialty. Only one process is studied at a time. Processes taught are: (a) determination of central visual acuity, neutralization of lenses, retinoscopy, refraction (with cycloplegia and without), tonometry, determination of degrees of strabismus or paralysis, types of discs (Elschnig's classification); (b) measurements of disc level, perimetry, objective findings in external and fundus diseases, case-history writing and diagnosis, prognosis, and treatment of a given case as a whole. This course extends over three periods of four months each, and no applicant is accepted for registration for less than the full twelve months. Pathology is taken with undergraduate students. Hours: 9:00 to 12:00 a.m., six days a week. Fee for each period of four months, $50.
91. Pathology of the Eye.—Four months. Hours to be arranged. I or II. Fee for each period of four months, $50. Associate Professor Beard.

Courses for Graduate Students

101. Research in Ophthalmology.—(*1 to 3 units*).

ORTHOPAEDICS

Professors: THOMAS (Head of the Department).
Assistant Professors: MURPHY, HARK, LEVINTHAL.
Associates: MARSHALL, LAMBERT.
Instructors: FISCHER, MILLER.
Assistants: GRIMMER, STAFFORD.

Required Courses—Third Year

10. CLINICAL LECTURE.—Introduction to orthopaedic problems. I, (1). Professor THOMAS.
11. CLINICAL OPERATIVE ORTHOPAEDIC SURGERY.—Eight weeks, I and II, (1). Professor THOMAS, Assistant Professor HARK, Dr. LAMBERT.
12. DISPENSARY.—Includes practical demonstration in physiotherapy and hydrotherapy. Three 2-hour periods per week. Four weeks, I and II. Professor THOMAS and other members of the staff.
13. PRINCIPLES OF ORTHOPAEDIC SURGERY.—Recitation and quiz. II, (1). Professor THOMAS and other members of the staff.

Elective Courses—Third Year

30. THEORY AND PRACTICE OF PHYSIOTHERAPY IN ORTHOPAEDICS.—Electrotherapy, hydrotherapy, mechanico-therapy, massage, and muscle re-education. Eight weeks, I and II. Professor THOMAS and other members of the staff.

Required Courses—Fourth Year

50. CLERKSHIP.—Three 3-hour periods. One week, I and II. Illinois Surgical Institute and Cook County Hospital. Professor THOMAS, Assistant Professor LEVINTHAL, Dr. LAMBERT.

Elective Courses—Fourth Year

70. SPECIAL TOPICS IN SURGERY OF JOINTS.—Operative management of injuries, infections, and tumors of the extremities and spinal column. I, (1). Professor THOMAS and other members of the staff.
71. SURGERY OF BONES AND JOINTS.—Cadaver demonstrations of operations for the reconstruction of extremity deformities, malunion and non-united fractures, bone transplants and fusions in Pott's disease and in fractured spines, reconstruction in fractured hips, and operation following infantile paralysis. II, (1). Professor THOMAS and other members of the staff.

Special Courses for Physicians

90. CLINICAL COURSE.—Designed to present and show the importance of examination and systematic development of indications. Includes (a) attendance at clinics and ward rounds; (b) operative orthopaedic surgery on cadavers; (c) assistance at operations; (d) work in pathology, psychiatry, general surgery, physiotherapy, neurology, serology, etc. Hours to be arranged. Registration limited. Fee for four-month period, $50.

Courses for Graduate Students

101. RESEARCH IN ORTHOPAEDICS.—(*1 to 4 units*). Professor THOMAS.

PATHOLOGY, BACTERIOLOGY, AND PUBLIC HEALTH

Professors: D. J. Davis (Head of the Department), Petersen, Arnold, Jaffè.
Associate Professors: Pilot, Levinson, Nedzel, Saphir.
Assistant Professors: Ladd, Hull, Milles, Piette, Kremer.
Associates: Beach, Melnick, Kearns, Neiman, Levine, Kronenberg.[1]
Instructors: McDaniels, Boikan, Gulbrandsen,[2] Klein, Weiss, Fowler, Ragins, Stuart, Gustafson, Beaver, Corrigan, Rosenthal, Howe, Fisher, Goodman.[3]
Assistants: Dorrell, Kominik, Milliken, Dahl, Hahn, Hirschberg, Mason, Zeitlin.
Cooperating: Mr. MacFate, Dr. Muehlberger.

Required Courses—Second Year

1. General Bacteriology and Protozoology.—Lectures, demonstrations, and laboratory. I, (9). Professor Arnold, Associate Professor Nedzel, and other members of the staff.
2. General Pathology and Pathological Histology.—Lectures, recitations, demonstrations, and laboratory. II, (12). Professor Petersen, Assistant Professor Milles, Dr. Kearns, Dr. Levine, and other members of the staff.
3. Clinical Pathology.—Chemical and microscopical examination of urine, feces, and blood, with emphasis on technic. Lectures, demonstrations, and laboratory. II, (5). Associate Professor Levinson, Mr. MacFate, and other members of the staff.
4. Preventive Medicine.—General principles of prevention of disease. Epidemiology. II, (2). Professor Arnold and other members of the staff.

Required Courses—Third Year

10. Autopsies.—Routine postmortem examinations, practical work, and demonstrations. One 2-hour period per week. I and II. Associate Professor Levinson, Assistant Professor Milles, and other members of the staff.
11. Special Pathology.—Gross and microscopic examination of pathological material, postmortem bacteriology, and experimental pathology. One 3-hour period per week. II. Associate Professors Pilot and Saphir, Assistant Professor Milles, and other members of the staff.

Required Courses—Fourth Year

50. Industrial Hygiene and Public Health.—Industrial and occupational diseases; control and prevention. II, (2). Professor Arnold, Dr. Beach, Dr. Kronenberg.

Elective Courses

(Open only to properly qualified students. Time to be arranged.)

51. Advanced Work and Research.—Professors Davis, Petersen, and Arnold.
52. Industrial Hygiene.—Professor Arnold, Dr. Beach.
53. Advanced Work in Public Health.—Professor Arnold.
54. Diagnosis of Tumors.—Professor Petersen, Associate Professor Pilot, Assistant Professor Milles, Dr. Melnick.
55. Legal Medicine.—Associate Professor Levinson, Dr. Kearns, Dr. Melnick, Dr. Muehlberger.

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[1] Beginning February 15, 1936.

[2] Resignation effective February 1, 1936.

[3] Beginning January 1, 1936.

56. INTRODUCTORY COURSE IN PUBLIC HEALTH.—General survey of the field of public health practice, including vital statistics, epidemiology, sanitary science, general and specific methods of controlling communicable diseases, and a study of public health practice, duties, requirements, and functions of medical public health officers. (32 lectures). Elective for third-year and fourth-year students. II. Professor ARNOLD.

Courses for Graduate Students

101. ADVANCED PATHOGENESIS.—Pathology and bacteriology. (*1 to 3 units*). Professors DAVIS, PETERSEN, ARNOLD, JAFFÈ; Associate Professor PILOT.
103. INDIVIDUAL RESEARCH.—(*1 to 4 units*). Professors DAVIS, PETERSEN, ARNOLD, JAFFÈ; Associate Professor PILOT.

PEDIATRICS

Professors: HESS (Head of the Department), EARLE (Emeritus), IRISH, BLATT.
Associate Professors: PONCHER.
Assistant Professors: BOWER, CALVIN, ROSENBLUM.
Associates: GOLDBERGER, GREENGARD, CHAMBERLAIN, ROBINS, SALTIEL, BRONSTEIN, GASUL, HOFFMAN, LEICHENGER, WEINFELD.
Instructors: LEVIN, PAUKER, HALPERN, SULDANE, MANSOWIT, PADNOS, TIGAY.
Assistants: WOODWARD, SCHNEIDER, ABELSON, BARATZ, NICHAMIN, JACOBS, GULBRANDSEN,[1] BAXTER, TISH.
Cooperating: Professor SCHROEDER.

Required Courses—Third Year

10. NUTRITION AND NUTRITIONAL DISTURBANCES IN INFANCY AND CHILDHOOD.—Lectures and clinical conferences. I, (4). Professor HESS, Associate Professor PONCHER.
11. DISEASES IN INFANCY AND CHILDHOOD.—Group lecture and quiz. II, (1). Professor IRISH and other members of the staff.
12. CLINICAL DEMONSTRATION OF NUTRITION AND NUTRITIONAL DISTURBANCES IN INFANCY AND CHLDHOOD.—Cook County Hospital. Eight weeks. I and II, (1). Assistant Professor CALVIN.
14. CLINICAL DEMONSTRATION OF DISEASES IN INFANCY AND CHILDHOOD.—Cook County Hospital. Eight weeks. I and II, (1). Assistant Professor ROSENBLUM.
15. LECTURES AND CLINICAL DEMONSTRATION OF CONTAGIOUS DISEASES.—Cook County Hospital. Four weeks. I and II, (2). Assistant Professor BOWER, Dr. LEICHENGER, Dr. GASUL.
16. CLERKSHIP.—Supervised case study of patients in the pediatric ward of the Research and Educational Hospital. Small groups. I and II. Associate Professor PONCHER.

Elective Courses—Third Year

30. PHYSICAL DIAGNOSIS IN CHILDHOOD.—Eight weeks. I and II, (1). Dr. SALTIEL.
31. SYPHILIS AND GONORRHEA IN CHILDHOOD.—Dr. HOFFMAN.
32. TUBERCULOSIS IN CHILDHOOD.—Also open to seniors. Dr. GREENGARD.

Required Courses—Fourth Year

50. SUPERVISED CASE STUDY AND CONFERENCE ON DISPENSARY PATIENTS IN PEDIATRIC DISPENSARY.—Research and Educational Hospital. Six 2-hour periods per week. Two weeks, I and II. Members of the dispensary staff.

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[1] Resignation effective February 1, 1936.

51. CLINICAL DEMONSTRATION OF DISEASES OF CHILDHOOD.—Cook County Hospital. One 2-hour period per week. I and II. Professor HESS.

52. CLINIC.—Physical diagnosis and clinical demonstration of diseases of infancy. Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Professor IRISH.

53. CLINIC.—Demonstration of diseases of the heart and lungs in infancy and childhood. Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Professor BLATT.

54. CLERKSHIP.—Group demonstration and discussion every morning and afternoon for one week. Municipal Contagious Hospital. Dr. SALTIEL, Dr. MANSOWIT, and members of the Municipal Contagious Hospital staff.

Elective Courses—Fourth Year

70. APPLIED IMMUNOLOGY.—Sixteen weeks, I and II, (1). Dr. GASUL.

71. DISEASES OF THE BLOOD-FORMING ORGANS IN INFANCY AND CHILDHOOD.—Eight weeks, I and II, (2). Associate Professor PONCHER.

72. MENTAL HYGIENE IN INFANCY AND CHILDHOOD.—Eight weeks, I and II, (1). Professor SCHROEDER.

Courses for Graduate Students

101. RESEARCH IN PEDIATRICS.—(*1 to 3 units*). Professor HESS, Associate Professor PONCHER.

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Professors: MCGUIGAN (Head of the Department), FANTUS, CAMP.
Associates: EWING.
Lecturers: MUEHLBERGER.
Assistants: HIGGINS, GANT, DYNIEWICZ, KEMMERER,[1] BREWER.

Required Courses—Second Year

1. PHARMACOLOGY.—Lectures and laboratory. I, (9). *Prerequisite:* Physiology course 1, or equivalent; Physiological Chemistry courses 1 and 2, or equivalent. Professors MCGUIGAN and CAMP and other members of the staff.

2. PHARMACOLOGY.—Lectures, quizzes, and laboratory. II, (4). Professors MCGUIGAN and CAMP and other members of the staff.

Required Courses—Third Year

15. THERAPEUTICS.—I, (2). Professors MCGUIGAN and FANTUS, Miss DYNIEWICZ.

Elective Courses

(Minimum registration: 5 students for each course)

30. HISTORY OF PHARMACOLOGY AND TOXICOLOGY.—Review of modern books. Professors MCGUIGAN and CAMP.

31. MATERIA MEDICA.—Prescription writing. Professors MCGUIGAN and CAMP.

32. TOXICOLOGY.—Professors MCGUIGAN and CAMP.

33. SYSTEMIC PHARMACOLOGY.—(a) eye, (b) digestive systems, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart, and kidneys. Professors MCGUIGAN and CAMP.

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[1] Resignation effective October 31, 1935.

34. FUNDAMENTAL PRINCIPLES OF THERAPY.—Professor FANTUS.

35. CORRELATION OF PHARMACOLOGY AND THERAPEUTICS.—Professors McGUIGAN and CAMP.

36. SEMINAR.—Open to selected students. Members of the staff.

Courses for Graduate Students

101. ADVANCED PHARMACODYNAMICS.—(*1 to 3 units*). Professors McGUIGAN and CAMP.

103. RESEARCH IN PHARMACODYNAMICS.—(*1 to 3 units*). Professors McGUIGAN and CAMP.

PHYSIOLOGICAL CHEMISTRY

Professors: WELKER (Head of the Department).
Associate Professors: BERGEIM.
Assistant Professors: COLE.
Associates: JOHNSON.
Instructors: MACFATE.
Assistants: BRIGGS, HARVEY,
Cooperating: Professor KEETON.

Required Courses—First Year

1. PHYSICAL AND CHEMICAL PROPERTIES OF SOLUTIONS.—Chemistry of carbohydrates, lipides, and proteins; enzymes and digestion. Lectures, demonstrations, conferences, and laboratory. I, (4). Professor WELKER and other members of the staff.

2. CHEMISTRY OF BILE, BLOOD, MILK, AND TISSUES.—Metabolism; chemistry of urine (qualitative and quantitative). Lectures, demonstrations, conferences, and laboratory. II, (4). Professor WELKER and other members of the staff. (*Note:* Approximately eight hours of the lectures will be delivered by Professor KEETON, of the Department of Medicine, to correlate the work in Physiological Chemistry with Medicine.)

Elective Courses

60. SPECIAL TOPICS IN BIOCHEMISTRY.—Blood analysis; vitamin studies; methods and clinical significance. I or II. Associate Professor BERGEIM.

61. PHYSICAL AND COLLOID CHEMISTRY.—Elements of physical and colloid chemistry and their application to biology and medicine, with emphasis on the chemistry of proteins. I or II. Assistant Professor COLE.

62. PROTEINS.—Methods of preparation of pure proteins and study of their immunological and chemical properties. I or II. Professor WELKER.

BIOCHEMICAL SEMINAR.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

RESEARCH.—The laboratories are open to persons with the requisite training for the conduct of original investigations under the direction of the members of the staff.

Courses for Graduate Students

101. ADVANCED BIOLOGICAL CHEMISTRY.—Biochemical methods of research, biological colloids, enzyme action, and metabolism. (*1 or 2 units*). Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.

102. METALLURGICAL RESEARCH.—(*1 or 2 units*). Professor WELKER.

103. BIOCHEMICAL RESEARCH.—(*1 or 2 units*). Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.

PHYSIOLOGY

Professors: VISSCHER (Head of the Department), BACHEM, GELLHORN.
Associate Professors: REED.
Assistant Professors: JENKINS.
Associates: SMITH.
Instructors: INGRAHAM, STRUCK.
Assistants: STECK, AMELOTTI, GLICKMAN.

Required Courses—First Year

1. HUMAN PHYSIOLOGY.—General physiology, mechanisms of excitable and contractile structures, physiology of circulation and respiration. Lectures, demonstrations, and laboratory, with clinical demonstrations and correlations by members of the clinical departments. II, (6). Professors VISSCHER and GELLHORN, Associate Professor REED, and other members of the staff.

Required Courses—Second Year

2. HUMAN PHYSIOLOGY.—Continuation of course 1. Physiology of the nervous system, special senses, and digestion. I, (9). Professors VISSCHER and GELLHORN, Associate Professor REED, and other members of the staff.
3. HUMAN PHYSIOLOGY.—Continuation of courses 1 and 2. Physiology of metabolism, excretion, internal secretions, and reproduction. II, (3). Professors VISSCHER and GELLHORN, Associate Professor REED, and other members of the staff.

Elective Courses

(Open only to qualified students)

51. PHYSIOLOGY OF THE HEART.—Professor VISSCHER.
52. PHYSIOLOGICAL EFFECTS OF RADIATION.—Professor BACHEM.
53. PHYSIOLOGY OF THE NERVOUS SYSTEM.—Professor GELLHORN.
54. PHYSIOLOGY OF THE ENDOCRINE GLANDS.—Associate Professor REED.
55. PROBLEMS IN PHYSIOLOGY.—Professors VISSCHER, BACHEM, and GELLHORN, Associate Professor REED, Assistant Professor JENKINS.
56. HISTORY OF PHYSIOLOGY.—Professor VISSCHER.

Courses for Graduate Students

101. RESEARCH IN PHYSIOLOGY.—(*1 to 3 units*). Professors VISSCHER and GELLHORN, Associate Professor REED.
102. RESEARCH IN BIOPHYSICS.—(*1 to 3 units*). Professor BACHEM.
103. SEMINAR IN SELECTED FIELDS.—(*1 unit*). Professors VISSCHER, BACHEM, and GELLHORN, Associate Professor REED.
104. CURRENT LITERATURE SEMINAR.—(*½ unit*). Required of all graduate students in physiology. Professors VISSCHER, BACHEM, and GELLHORN, Associate Professor REED.

ROENTGENOLOGY

Professors: HARTUNG.
Instructors: RICHMAN.[1]
Assistants: WACHOWSKI, CONNELLY.

Required Courses—Fourth Year

50. ROENTGENOLOGY.—Application of roentgen rays to medicine and surgery. Lectures and demonstrations. I, (2). Professor HARTUNG.

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[1] Beginning February 14, 1936.

51. DISPENSARY.—Technic, interpretation, and therapy. Six 2-hour periods. Two weeks, I and II. Professor HARTUNG, Dr. RICHMAN, Dr. WACHOWSKI, Dr. CONNELLY.

Elective Courses—Fourth Year

70. ROENTGEN FILM INTERPRETATION.—I and II, (1). Professor HARTUNG.

Special Courses for Physicians

90. CLINICAL COURSE.—Designed for those desiring to take up roentgenology as a specialty. Includes theoretical and practical teaching of the use of roentgen rays and radium for diagnosis and treatment. Offers opportunity to observe the technic of all standard roentgen examinations. Instruction given in interpreting findings on films and fluoroscopic screen and in the application of radiation to superficial and deep lesions. Extends over two periods of four months each. Registration limited. Hours: 8:30 to 12:00 a.m. and 2:00 to 5:00 p.m. Fee for each period of four months, $100.

SURGERY*

Associate Professor OLDBERG (Acting Head of the Department)

A. GENERAL SURGERY

Professors: HARSHA (Emeritus), C. DAVISON (Emeritus), HUMISTON (Emeritus), L. SCHULTZ (Emeritus), PERCY, DYAS, PHIFER, DETARNOWSKY.

Associate Professors: POST, NADEAU, OLDBERG, BAMBERGER, KOUCKY, MCARTHUR, MALCOLM, SEED.

Assistant Professors: JIRKA, KORDENAT, MORA, PUESTOW, SARMA, LYON, DE TAKATS, HAZLETT, VAN HAZEL, SPIVACK.[2]

Associates: STEPHENS, JOANNIDES, ZECHEL, ODEN, L. W. SCHULTZ, SCUDERI, CROUTCH, PORTIS, MEYER, STEIN, WERNICKE.

Instructors: DELANO, ALMQUIST, MISHKIN, PELUSE, MURPHY, R. M. DAVISON, BAKER, MCMILLAN, PONTIUS, GREEN, COOMBS, BROWN, GILLESBY, HALEVY, FLANNERY, GOODMAN, SHABAT, WAGNER, BECK, JAFFRAY,[3] CLOWES,[2] LOTSPIECH.[1]

Assistants: PARKER, KRAMP, MARQUARDT, REYNOLDS, GUSTAFSON, KILBOURNE,[3] CAMBRIDGE,[3] RALL,[3] RISKIND,[3] THOREK.[4]

Required Courses—Third Year

10. FUNDAMENTAL PRINCIPLES OF SURGERY.—Recitation course. Continuous through I and II, (2). Professor PHIFER, Associate Professor POST, BAMBURGER, SEED, and KOUCKY, and Assistant Professor KORDENAT.
11. SURGICAL SHOW CLINIC.—(To accompany course 10). I and II. Associate Professor SEED, Dr. GILLESBY.
12. SURGICAL DIAGNOSIS.—Research and Educational Hospital. I and II, (1). Associate Professor MCARTHUR, Dr. MEYER.
13. GENERAL SURGICAL OPERATIVE CLINIC.—Research and Educational Hospital. One 2-hour period per week. Eight weeks, I and II. Associate Professor MALCOLM.

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*In September, 1936, there will be established a new department—Neurology and Neurological Surgery—under the headship of Professor Eric Oldberg. At that time Dr. Warren H. Cole, of St. Louis, will become head of the Department of Surgery.

[1] Beginning April 1, 1936.
[2] Beginning February 1, 1936.
[3] Beginning January 1, 1936.
[4] Beginning March 4, 1936.

14. General Surgical Operative Clinic.—Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Professor Dyas.
15. General Surgical Clinic.—St. Luke's Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor Hazlett.
16. Surgical Dispensary.—History-taking, diagnosis, minor surgery, and surgical dressings. Research and Educational Hospital. Three 2-hour periods per week. Eight weeks, I and II. Associate Professors Bamberger and Malcolm, Assistant Professors Mora, Sarma, and Van Hazel, and other members of the staff.

Elective Courses—Third Year

30. Surgical Diagnosis.—I, (1). Associate Professor Koucky, Dr. Portis.
31. Regional Surgical Anatomy.—I, (1). Dr. Zechel.
32. Blood Transfusion, Surgical Dressings, and Bandaging.—Individual instruction and demonstration. I, (1). Assistant Professor Kordenat.
33. Surgical Review.—II, (2). Assistant Professor Mora, Dr. Parker.

Required Courses—Fourth Year

50. Surgical Diagnosis.—Research and Educational Hospital. Continuous through I and II, (1). Professor deTarnowsky.
51. General Surgical Operative Clinic.—Research and Educational Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor Puestow.
52. General Surgical Operative Clinic.—Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Professor Dyas.
53. General Surgical Operative Clinic.—Augustana Hospital. One 2-hour period per week. Four weeks, I and II. Professor Percy.
54. General Surgical Operative Clinic.—Cook County Hospital. One 2-hour period per week. Four weeks, I and II. Assistant Professor Jirka.
55. Industrial Surgery.—St. Luke's Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor Lyon.
56. Thoracic Surgery.—Research and Educational Hospital. One 2-hour period. Eight weeks, I and II. Assistant Professor Van Hazel.
57. Neurological Surgery.—Research and Educational Hospital. One 2-hour period per week. Eight weeks, I and II. Associate Professor Oldberg.
58. Neurocirculatory Surgery.—One 2-hour period per week. Four weeks, I and II. Assistant Professor de Takats.
59. Oral Surgery.—One 2-hour period per week. Four weeks, I and II. Dr. Schultz.
60. Minor Surgery.—One 2-hour period per week. Four weeks, I and II. Assistant Professor Mora, Dr. Croutch.
61. Surgical Pathology.—Laboratory. One 2-hour period per week. Eight weeks, I and II. Associate Professor Nadeau.

Elective Courses—Fourth Year

70. Research on Assigned Problems.—Associate Professor Oldberg and other members of the staff.
71. Surgical Diagnosis.—II, (1). Dr. Oden.
72. Surgical Diagnosis.—II, (1). Dr. Stephens.
73. Practice of Surgery.—I, (1). Associate Professor Malcolm.

74. OPERATIVE SURGERY ON ANIMALS.—One 2-hour period per week. II. Associate Professor KOUCKY, Dr. SPIVACK.
75. SURGICAL TECHNIC.—II, (1). Assistant Professor PUESTOW.
76. SURGERY OF THE NECK.—II, (1). Associate Professor SEED.
77. SURGERY OF THE THORAX.—II, (1). Assistant Professor VAN HAZEL.
78. NEUROLOGICAL SURGERY.—I, (1). Associate Professor OLDBERG.
79. RECTAL SURGERY.—I, (1). Dr. PONTIUS, Dr. MCMILLAN.
80. SURGERY OF THE SYMPATHETIC NERVOUS SYSTEM.—II, (1). Assistant Professor DE TAKATS.
81. SURGERY OF CHILDHOOD.—I and II, (1). Dr. GREEN.
82. TRAUMATIC SURGERY.—II, (2). Dr. SCUDERI.
83. EMERGENCY SURGERY.—I, (1). Professor DETARNOWSKY.
84. SURGICAL REVIEW.—I, (2). Assistant Professor MORA, Dr. PARKER.

Courses for Graduate Students

101. RESEARCH IN SURGERY.—(*1 to 3 units*). Associate Professor OLDBERG, Assistant Professors PUESTOW, HERROLD, and DE TAKATS.

B. UROLOGY

Professors: MCKENNA.
Associate Professors: O'CONOR, HERROLD.
Associates: EWERT.
Instructors: PLATIN, RITCH, GERNON.
Assistants: SCHACHT.

Required Courses—Third Year

10. FUNDAMENTALS OF UROLOGY.—Conferences and recitations. I, (1). Associate Professors O'CONOR and HERROLD, Dr. EWERT.
11. DISPENSARY.—History-taking, diagnosis, and treatment. Research and Educational Hospital. Three 2-hour periods. Four weeks, I and II. Professor MCKENNA, Associate Professor HERROLD, and other members of the staff.

Required Courses—Fourth Year

50. CLINIC.—Research and Educational Hospital. One 2-hour period. Four weeks, I and II. Professor MCKENNA.
51. CLINIC.—Individual instruction in the diagnosis of urological diseases, including cystoscopy, surgery, catheterization of ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. Research and Educational Hospital. One 2-hour period per week. Four weeks, I and II. Professor MCKENNA.

Elective Courses—Fourth Year

70. SURGERY OF THE GENITO-URINARY TRACT.—I and II, (1). Professor MCKENNA, Associate Professor O'CONOR.

C. ANAESTHESIA

Dr. BRUNNER, Associate

Required Courses—Third Year

10. ANAESTHESIA.—Lectures. Twelve weeks, II. Dr. BRUNNER and other members of the staff.

Required Courses—Fourth Year

50. OPERATIVE CLERKSHIP.—Each student spends one week in the operating rooms and surgical wards of the Research and Educational Hospital. He is instructed in the technic and problems of practical anaesthesia and observes the care of surgical patients. I and II. Dr. BRUNNER and other members of the staff.

Elective Courses—Fourth Year

70. PRINCIPLES AND PRACTICE OF ANAESTHESIA.—I and II, (1). Dr. BRUNNER.

SUMMARY OF CLOCK HOURS—FIRST AND SECOND YEARS

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
FIRST YEAR					
Anatomy, Gross	40	128	40	112	320
Histology	24	72	12	36	144
Embryology	24	48	..	..	72
Neurology	..	..	24	48	72
Physiological Chemistry	32	64	32	64	192
Physiology	..	..	48	48	96
Total	120	312	156	308	896
SECOND YEAR					
Bacteriology	36	108	..	..	144
Hygiene	..	..	32	..	32
Medicine	16	..	..	..	16
Physical Diagnosis	..	..	16	32	48
Pathology, General	14	24	80	112	230
Pathology, Clinical	..	..	32	64	96
Pharmacology	48	96	32	32	208
Physiology	48	96	64	..	208
Total	162	324	256	240	982

SUMMARY OF CLOCK HOURS—THIRD AND FOURTH YEARS

Subjects	Lecture and Quiz	Laboratory	Clerkship	Dispensary	Clinic	Total
THIRD YEAR						
Anaesthesia	12	..	..	..	..	12
Anatomy, Topographic	32	32	..	..	..	64
Autopsies and Pathology	16	64	..	..	..	80
Criminology	16	..	..	..	..	16
Dermatology	32	..	..	..	..	32
Medicine	64	..	168[1]	..	64	296
Neurology	8	..	..	..	8	16
Obstetrics and Gynecology	64	16	24	24	16	144
Orthopaedics	16	..	..	24	24	64
Otolaryngology	48	..	..	24	..	72
Pediatrics	32	..	..	..	24	56
Psychiatry	16	..	..	..	..	16
Therapeutics	32	..	..	..	..	32
Surgery	64	..	..	48	80	192
Urology	16	..	..	24	..	40
Electives	64	..	..	..	..	64
Total	532	114	192	144	216	1196
FOURTH YEAR						
Anaesthesia	..	..	42[2]	..	..	42
Dermatology	..	..	..	12	32	44
Gynecology	40	..	..	33	32	105
Hygiene	32	..	..	..	..	32
Jurisprudence	16	..	..	..	..	16
Medicine	..	36	..	72	192	300
Neurology	..	..	..	24	48	72
Obstetrics	..	16	2 weeks[3]	..	32	48
Ophthalmology	16	..	18[5]	40	..	74
Orthopaedics	..	..	9	..	..	9
Otolaryngology	..	..	..	..	16	16
Pediatrics	..	..	36[4]	24	64	124
Psychiatry	12	..	..	..	12	24
Roentgenology	32	..	..	12	..	44
Surgery	..	..	..	..	152	152
Urology	..	..	..	..	16	16
Electives	176	..	..	..	..	176
Total	324	52	105	217	596	1294

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[1] This clerkship includes four weeks in general medicine, one week in tuberculosis, one week in pediatrics and two weeks in surgery.

[2] Time divided about equally between operating room and work in surgery wards.

[3] On call full time, 24 hours per day.

[4] Municipal Contagious Hospital.

[5] To be supplanted by a clerkship in the Psychiatric Institute during the second semester.

COLLEGE ORGANIZATIONS

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE

President—Frank C. Linden, '89, 1913 W. Halsted St., Chicago.
President-Elect—Charles Phifer, '02, 30 N. Michigan Ave., Chicago.
First Vice-President—Frank Kotalik, '13, 6348 W. 26th St., Berwyn.
Second Vice-President—L. Rock Sleyster, '02, Wauwatosa, Wisconsin.
Secretary-Treasurer—M. H. Streicher, '24, 307 N. Michigan Blvd., Chicago.
Necrologist—Felix H. Renberg, '05, 3037 Wentworth Ave., Chicago.
Alumni Councillors—

William H. Browne, '27, 2051 Sedgwick St., Chicago.
John M. Lang, '00, 4754 W. Washington Blvd., Chicago.
William A. Plice, '02, 4010 W. Madison St., Chicago.
George W. Post, '09, 4010 W. Madison St., Chicago.
A. M. Harvey, '93, 4200 S. Kedzie Ave., Chicago.
C. C. Clement, '06, 30 N. Michigan Ave., Chicago.
Max Meyerovitz, '07, 55 E. Washington Blvd., Chicago.
J. B. Cipriani, '13, 2357 W. Madison St., Chicago.
Clara G. Gottschalk, '15, 5217 Magnolia Ave., Chicago.
M. R. Weidner, Jr., '33, 14115 S. Wabash Ave., Chicago.
H. N. Brown, '24, 4010 W. Madison St., Chicago.
Frank J. Fara, Jr., '33, 6822 W. 34th St., Chicago.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in fifty-six "Class A" medical schools, was founded at the College of Medicine of the University of Illinois in 1902. Third-year and fourth-year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

Group I.—Class of 1936

Duane Delbert Darling
Howard E. Dorton
Herman Boris Lander
Arthur Bernard Levan
Everett J. Olenick

Group II.—Class of 1936

John Peter Cascino
Jack William Grossman
Allan Bonner Hirschtick
Alfred Joseph Klein
William Philip Kleitsch
Gilbert George Lapid
Samuel Liebman
Harry Segenreich
John Wallace Stastny

Group I.—Class of 1937

Maurice Dunn
Philip Falk
Victor Lorber
Jerome S. Mehlman
Isadore Spinka

PI KAPPA EPSILON

Pi Kappa Epsilon is a national honorary medical fraternity to which members are elected by the following fraternities: Alpha Kappa Kappa, Nu Sigma Nu, Phi Beta Pi, Phi Chi, Phi Rho Sigma, and by non-fraternity groups.

Class of 1936

George H. Ashline
Milton Charles Baumann
Ray Elwood Bucher
Eugene Warren Gessler
Alfred Joseph Klein
Charles Donald Krause
Felix Patrick Mooney
Fred August Quenzer
Oliver Vernon Renaud

Class of 1937

Alfred A. Cassidy
Franz Karl Fleischli
Wendel Raymond Freeman
William Nimmo Gilman
Eugene G. Hamilton
Richard Ernest Kinzer
Burle Beauregard Madison
Paul Joseph O'Neill
Paul Quayle Peterson
Harry Osbourne Ryan
Carl K. Solander
Robert Healey Stevens
Grant Suttie
Russell Groves Trummel
Glen Hall Walker
James Bruce Waller

Class of 1938

Lawrence William Peterson
William Nelson Piper, Jr.
William Henry Requarth
John Keay Wallace, II
Scottie Jackston Wilson
Kenneth John Winters

Faculty Members Elected in 1935 and 1936

Dr. Robert Bruce Malcolm
Dr. Hugo O. Deuss

SIGMA XI

In the spring of 1928 the Society of Sigma Xi was granted a charter for the organization of a chapter at the College of Medicine of the University of Illinois. The society has for its object the promotion of research.

Officers for 1935-36.—Dr. O. F. Kampmeier, President; Dr. Ernst Gellhorn, Vice-President; Dr. W. H. Welker, Secretary; Dr. Isadore Pilot, Treasurer; Dr. H. A. McGuigan, Dr. R. W. Keeton, and Dr. D. J. Davis, Elective members of the Executive Committee.

Elected to Active Membership (March 25, 1935).—Professor W. B. Day, Dean of the College of Pharmacy and Professor of Materia Medica and Botany; Miss H. A. Dyniewicz, Phenolphthalein Grant; Miss Josephine M. Dyniewicz, Assistant in Pharmacology, Materia Medica, and Therapeutics; Dr. L. Z. Fishman, Instructor in Laryngology, Rhinology, and Otology, and Assistant in Anatomy; Mr. L. S. Helfrich, Graduate Student; Dr. R. L. Jenkins, Assistant Professor of Physiology and of Juvenile Behavior; Dr. A. B. Ragins, Instructor in Pathology; Dr. P. J. Sarma, Assistant Professor of Surgery; Dr. Howard Zeitlin, Assistant in Neuropsychiatry and in Pathology.

Promotion from Associate to Active Membership.—Dr. R. C. Ingraham, Instructor in Physiology; Dr. H. C. Peters, Assistant in Physiology.

Elected to Associate Membership (March 25, 1935).—Mr. Harry Segenreich, Graduate Student.

At the Annual Meeting, held May 29, 1935, Dr. F. R. Moulton, National Past President, delivered the scientific address on "World's Fair Experiences."

Prize.—The annual Sigma Xi prize of $25.00 for the best piece of scientific investigation on the part of any student in the College of Medicine, the College of Dentistry, or the Graduate School, who is without a salaried appointment from the Board of Trustees, was awarded to Mr. George Gilman for his work on "Urinary Proteins: The Appearance of Kidney Protein in the Urine of Some Cases of Severe Chronic Glomerular Nephritis."

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets twice a month for the discussion of original scientific contributions. Since its organization in January, 1914, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

Officers for 1935-36.—Dr. Ernst Gellhorn, *President,* and Dr. Henry G. Poncher, *Secretary.*

Papers Read Before the Club, 1935-36

Wednesday, April 24, 1935

"The Effects of Intravenous Injection of Peptone Solution," Dr. George Milles.

"The Daily Rhythm in the Formation and Calcification of Enamel and Dentin," Dr. Isaac Schour and Dr. M. M. Hoffman.

Wednesday, May 15, 1935

"Hemophilia in the Royal Families," Dr. Carroll Birch.

"Racial Classification and Affinities of the American Indians," Dr. Gerhardt von Bonin.

Wednesday, December 11, 1935

"Body Weight and Brain Weight. A Reconsideration," Dr. Gerhardt von Bonin.

"The Impermeability to Polyvalent Anions and the Chloride-impoverishing Mechanisms in the Body," Dr. R. C. Ingraham.

Wednesday, January 22, 1936

"The Effect of Anoxemia and Related Conditions on Word Associations," Dr. S. H. Kraines.

"Cytological Studies of the Decidual Reaction in the Rat during Early Pregnancy and in the Production of Deciduomata," Dr. Robert Krehbiel.

Wednesday, March 11, 1936

"How Air May Be Heated and Cooled," Mr. S. R. Lewis.

PHI MU PHI

(Physicians—Music—Fellowship)

The Glee Club of the College of Medicine of the University of Illinois offers to members in good standing the key of Phi Mu Phi. Voice try-outs are held at the beginning of the fall session and students from the first-year and second-year classes who fulfill the qualifications embodied in the motto of the Club are selected.

STUDENT COUNCIL

The Student Council, composed of the president and three elected councilmen from each class, and the editor of the student paper, meets semi-monthly with the aim of discussing and solving problems of interest to the student body.

MEMBERS FOR 1935-36

Fourth-Year

EVERETT J. OLENICK, President
ANTHONY EDWARD SUKIS, Secretary
HERBERT JACK APFELBERG
HAROLD HENRY BOROS
JACOB FLEISCHER

Third-Year

VICTOR LORBER, Vice-President
MAURICE LORBER
HYMAN PECK
ROBERT HEALY STEVENS

Second-Year

PATRICK THOMAS DOLAN, JR.
MAURICE DAVID PEARLMAN
WILLIAM NELSON PIPER, JR.
LEO TEPPER

First-Year

LEONARD PAUL BLAKESLEY
HERMAN PAUL CARSTENS
HAROLD XEN GERBER
EDWARD BERNARD PLATTNER

DEGREES CONFERRED, 1935

Degree of Bachelor of Science in Medicine

Conferred in February, 1935

Samuel Mitchell Bluefarb
Meyer Merle Cutler
Eugene Warren Gessler
Friedy Heisler
Nathan Leonard Hoffenberg
Henry Sargent Howard
Ernest Arthur Kahn
Samuel Nieder
Fred August Quenzer
Samuel S. Reinglass
Frederick Jasper Ricketts
John Richard Taylor

Conferred in June, 1935

Ben A. Appel
Arthur Barbakoff
Harold Joseph Barys
Leo Jerome Brown, B.Ed.
Leonard S. Buck
Robert DeForrest Burley
George Bush
Bernard Manuel Chapman
Meyer Barney Cohen
Theodore M. Cohen
Clarence Cohrs
Sol Paul Ditkowsky
Maurice Dunn, with Honors
Joseph Faingold, Ph.C.
Philip Falk, with Honors
Abraham William Feldman
Bourke Firfer
Mitchell L. Frank
George Joseph David Gertz
Max M. Glassman
Harold Wayne Hammatt
Irving Hassen
Jerome Frederick Heinrich
Edmund R. Hess
Howard E. Heyer, with Honors
James Leopold Hora
Harold Dale Huff
Isadore Isovitz
Abraham Izzak Jackman
Henry Joseph Jacobs
Hilerd Westley Jenkins
Harry Josephson
Leonard A. Kagen
Isadore A. Kaplan, with Honors
Joseph H. Kaplan
Martin J. Klapman
Leonard Hyman Kolb
Meyer Kushner
Meyer Kuznitsky
George J. Kvidera
Herbert Lack, with Honors
Henry Peter Lattuada
Myron Jame Levin
Edward Levine
Edward Albert Luke
Abraham Melamed
M. Luther Mosher
Dorothy Kathryn O'Connor, A.B.
Louis Olsman
Hyman Peck, Ph.C.
Wayne Reeser
Reuben M. Reifler, Ph.G.
Milton Robin
William Rosenberg
Albert Hessel Rosenblatt
Robert R. Rothschild
Harry Osbourne Ryan, Jr.
Zal Sanders
Francis Eugene Sauer
Walter William Schwartz
Walter Shriner
Wayne Pulley Sirles
Carl Solander
Edward Sosson, with Honors
Robert Andrew Spencer
Isadore Spinka, with Honors
Samuel Spira
William Edward Steiner
Robert Healy Stevens
Grant Suttie
Roy Frank Teborek
William Stanley Walsh
David Wasserman
Reuben Robert Wasserman
Paul K. Weichselbaum
Harry I. Weiner
Allen E. Winer
William H. Wright
Dillman Forbes Ziegler
Joseph John Zuska, with Honors

Conferred in October, 1935

J. Joseph Alion
Bruce Morgan Brown
Harry Louis Deutsch
Lester H. Eisendorf
Raymond K. Elliott
Franz Karl Fleischli
Robert George Fox
William Gilman
Meyer Walter Kobrinsky
Joseph Milton Levenson
Louis Judea Perlmutter
Paul Quayle Peterson
Vladimir Christov Svetanov
James Bruce Waller

Certificate in Medicine

Presented in February, 1935

Maurice Graziano Farinacci
Ralph Millard Seaton (as of December 1, 1934)
Leroy Thomas Telford

Presented in June, 1935

Samuel Alfred Adland, B.S.
Ben A. Appel
Alfred Stone Ash
Emily Baer, B.S.
Harold Joseph Barys
Oscar Jacob Becker
Merrill Charles Beecher
Robert David Berke
Armin Louis Blaufuss, Ph.C.
Daniel Edward Bowers
Robert Vernon Carter
Louis Chabner
Isadore Hymen Cohn, B.S.
Clement Clark Coleman, B.S.
George Edward Colyer, A.B., B.S., with Honors
Nathan Solomon Deutsch, B.S.
Norman Dobin, B.S.
Sidney Harvey Dubofsky
Frank Wayne Edel, A.B.
Gerson Faden, A.B.
Thomas J. Fitzpatrick
Lawrence Edward Foulke, B.S.
Robert Friedenberg, A.B.
Cyril Melchoir Gallati
Harvey Enoch Gaynes, B.S.
Erving Francis Geever, B.S.
George Everett Gilman, A.B., B.S.
Jacob A. Glassman, B.S.
Irwin Globerson
Aaron Louis Goldberg
Manuel Goldfine, B.S.
Marion Lee Gordon
Abraham Gorday, B.S.
Vincent James Greco
Maurice O. Grossman, A.B., B.S.
Aaron Gunther, B.S.
Rudolf William Hack, A.B., B.S.
Zigmore Harris, B.S.
Irving Hassen
Richard Teal Haverstock, B.S.
James Henry Hawkes
Paul E. Hepner, B.S.
George Ray Hill
H. Sargent Howard, B.S.
Victor H. Hunkel, Ph.B.
Carl Ireneus, Jr., B.S.
John Hick Johnstone, B.S.
William Henry Kaeiser
Joseph T. Kaminskas
Jack Karel, B.S.
Charles Katz, B.S.
Robert Stephen Keller
George Kieve Keppleman, B.S.
Adelbert Herman Klein, B.S.
William Nelk Knudsen, A.B.
Harold Jay Koch, B.S.
George Lewis Kravtsow, B.S.
Sherburne Krieger, B.S.
Emerson C. Kunde, A.B., B.S.
Milton Elmer Kurth, B.S.
Albert Thomas Kwedar, B.S.
Herbert Lang, B.S.
Harry Lazar, B.S.
Louis Samuel Lerner, B.S.
Sydney S. Levine, B.S.
William Wayne Lockwood, B.S.
Katherine Hypatia MacEachern, B.S.
Irwin Harry Makovsky, B.S.
Harold Marks, A.B., B.S.
Aaron Mason, B.S.
Lorrell Edward Messman, B.S.
Ira Robert Morrison, A.B., B.S.
James Joseph Murphy, B.S.
Charles Arthur Nelson
Samuel Nieder, B.S.
Winston K. Nix
Franklin Arnold Olson, B.S.
John Parke, B.S.
Matthew Platt
Oscar Mandel Plotkin, B.S.
Harold Price, Ph.G.
Leonard Price, B.S.
Joseph Raider
James Stedman Reynolds, B.S.
Keith Rhea, B.S.
Frederick Jasper Ricketts, B.S.
Sidney Sigmund Rooth, B.S.
Irving Isadore Rosen, B.S.
Jack Rosenberg
Samuel William Rosenberg
Irving Hyman Rosenthal, B.S.
Mandel Sachs
Seymour Salberg, B.S.
Robert Edward Schettler, B.S.
Herbert A. Schiller, Ph.C., B.S.
John Lavine Schilsky, B.S.
Kenneth Fosnes Schneider, B.S.
Leonard Jerome Schwade
William Frederick Seifert
Alexander Joseph Shimkus, B.S.
Harry I. Shulruff, B.S., with Honors
Joseph Howard Siegfried
Jerome Joel Sievers, Ph.G.
Robert James Sigler, B.S.
David Silbert
Pasche Silvert
Danely Philip Slaughter, B.S.
Manuel Slavin, A.B.
Clarence William Smith, Ph.C., Ph.G.
Roger Francis Sondag, B.S.
Raymond Elmer Sorenson, B.S.

Adelbert L. Spiller, B.S.
Bertram Spira, B.S.
Albert Elon Steer, B.S.
Albert Frank Stein, B.S.
Richard Vawter Stevenson, B.S.
Samuel Lloyd Stout, Ph.C.
Edward A. Tappan, B.S.
Aloysious Felix Tasch, B.S.
Russell Kenneth Taubert
Frank Joseph Tesar, B.S.
Milton Tinsley, B.S., with Honors
Jack Wagner
Morris Waisman, B.S., with High Honors
Leonard Weissman, B.S.
Raymond Benedict White, A.B., B.S.
Charles LeRoy Wunsch

Presented in October, 1935

Jacob Francis Hahn, B.S. (as of July 1)
Benjamin Bernard Rosen (as of September 1)

Degree of Bachelor of Medicine

Conferred in June, 1935

David Marvin Brotman
Frank C. Sedlak

Conferred in October, 1935

Robert Friedenberg, A.B.

Degree of Doctor of Medicine

(Conferred as of dates indicated)

George Henry Agate, B.S. (July 1)
Joseph Albaum, B.S. (December 8)
Elmer Arnold Albers, B.S. (July 1)
Glen C. Andersen, B.S. (July 1)
Edward Ragnar Anderson, B.S. (September 30)
Julius Aronow, B.S. (July 1)
Abraham Aronson, B.S. (June 15)
Edwin Francis Baker (July 1)
Norman Ludlow Baker, B.S. (July 1)
Eli Bard, B.S. (December 31)
George William Bard, B.S. (December 31)
Edward Stuart Baxter, B.S. (July 1)
Alfred Paul Bay, B.S. (July 1)
Paul Lincoln Bedinger, A.B., B.S. (July 1)
Myron Clyde Benford, B.S. (July 1)
Max Berg, B.S. (September 30)
Irving Berger (December 31)
Maxwell Robert Bernstein, B.S. (July 1)
Charles Arthur Billings, A.B. (July 1)
Melvin Frank Otto Blaurock, B.S. (July 1)
Edward Vincent Boarini, Ph.C. (July 1)
Willis Julian Bogue, B.S. (July 1)
Edward J. Bomze, B.S. (July 1)
Chester Dale Bradley (June 23)
Myer Freeman Brodkin, B.S. (July 1)
Charles Edward Brown, B.S. (July 1)
David Joseph Brown, B.S. (July 1)
Earl Clifford Bucher, A.B., B.S. (July 1)
George Hickman Burkhart (July 1)
Herschel Smith Burns, A.B., M.S. (July 1)
Richard Thomas Calosio, B.S. (July 1)
Robert Raphael Citron, B.S. (July 1)
William Anthony Clarke (July 1)
Sidney Sol Cohen, B.S., (June 25)
Morton Irving Cole (July 1)
Arthur Edwin Cooper (July 1)
Robert Paul Coseglia, B.S. (July 1)
Harry Myer Crystal, B.S. (June 15)
Frank Benson Deardorff, B.S. (July 1)
Harry Carroll DeBourcy, A.B. (July 1)
Edward E. DeLong (July 1)
Lucius Matlock Dillman, B.S., M.S. (July 1)
Benjamin Burt Elster, B.S. (July 1)
Harold Samuel Feinhandler, B.S. (September 30), with Honors
Marshall Louis Fisher, B.S. (July 1)
Morris E. Fox (September 30)
Vincent Freda, B.S. (July 1)
John Joseph Freeman, B.S. (June 9)
John William Fricke (December 31)
Leon Thomas Fruin, B.S. (July 1)
Willard Wilson Fullerton, A.B., B.S. (June 15)
Avison Gano (July 1)
William Gernon, B.S. (December 31)
Robert Wagner Glenn (July 1)
Hyman Harry Goldstein, B.S. (September 30)
Hyman Samson Gordon, B.S. (June 9)
Frank Bernard Green (July 1)
Henry Arthur Grennan, B.S. (July 1)
Joseph Goddard Gustafson, B.S. (June 15)
Laurie John Hakala (June 25)
Henry Russell Hall, B.S. (July 1)
Henry Arnold Hanelin (September 30)

Jesse Freeland Harrold (July 1)
Kyle Chester Hawkins, B.S. (November 22)
Noel John Hershey, A.B., B.S. (July 1)
William Hoffstadter, B.S. (September 30)
Clarence P. Holoffe, B.S. (June 22)
Theodore Holstein, B.S. (December 31)
Louis Alois Holub, B.S. (July 1)
John Francis Huffman, B.S. (July 1)
Jerome Jacob Hurwich, M.S. (September 30)
Maurice Bernard Jacobs, B.S. (December 31)
Herman Roy Johnson (July 1)
Titus Maurice Johnson, A.B., B.S., M.S. (July 1)
Harold Kahn, M.S. (December 31)
Seymour Pass Kaiz (December 31)
Benjamin Kaplan (July 1)
Maurice Kaplan, B.S. (July 1)
Victor Herbert Karpass, B.S. (February 4)
Charles Grovenor Keigwin, B.S. (September 30)
David Kleiman, B.S. (July 1)
John Louis Koza (June 9)
Robert Eugene Kraft, B.S. (July 1)
Irving Krakower, B.S. (July 1)
Frank Henry Kuczewski (July 1)
Mitchell Edward Langner (July 1)
Morey Lapin, A.B., B.S. (July 1)
Irving Harold Lederman, B.S., M.S. (June 25)
Carl James Lehwald, B.S. (July 1)
Robert George Lemon, B.S. (July 1)
Milton Levine, B.S. (July 1)
William Forrester Maley, A.B., B.S. (June 9)
Glenn Robert Marshall, B.S. (July 1)
Robert Edgar Martin (July 1)
John Haley Mathis, B.S. (July 1)
Harold O. Meisenheimer (July 1)
Wilbur June Menke, Jr., A.B., B.S. (October 1)
Walter Ulysses Miller, A.B., M.S. (July 1)
William Dean Mohlenbrock (July 1)
Theodore C. Mouzakeotis, B.S. (February 4)
Iva Glene Murphy, A.B. (July 22), with Honors
Mitchell Joseph Nechtow, B.S. (July 1)
Thomas Finn Nelson, B.S. (July 1)
Harry Hyman Nierenberg, B.S. (July 1)
Paul James O'Brien, B.S. (July 1)
William Ocasek, Jr. (July 1)
William Frederick Oehler (July 1)
Henry Bernard Okner, B.S. (July 1)
James Emmett O'Malley, B.S., M.S. (July 1)
Forest Caleb Parker (July 1)
Ben Pass (December 31)
Alfred Lionel Piser, B.S. (June 9)
Marie Bepko Puumala, B.S. (July 1)
Irving Bernard Richter, B.S. (July 1)
Bert Rightman (June 22)
William Victor Roberson, B.S. (October 1)
Brockway Roberts, B.S. (July 1)
Ralph Eugene Rosen, B.S. (December 31)
David Rosenbloom, B.S., M.S. (July 1)
Henry Carl Rosenstiel, B.S. (July 1)
John Bernard Roth, B.S. (July 1)
Charles Francis Row, A.B., B.S. (July 1)
Milton Morris Scheffler, B.S. (July 1)
Joseph G. Schoolman, A.B. (June 15)
Harry Schultz, B.S. (September 30)
Harry Robert Schwartz, B.S. (July 1), with Honors
John Chapell Scully, B.S. (September 30)
Ralph Millard Seaton (December 10)
Robert Mayr Shagam, B.S. (July 1)
Harold Louis Shinall, B.S. (July 1)
Martha Frances Simon (July 1)
Sol Singer, B.S. (April 28)
Albert H. Slepyan, B.S. (July 1)
Anton Smerz, B.S. (July 1), with Honors
Clyde Oral Thomas (July 1)
Philip Gordon Thomsen (July 1)
Alex Sol Tulsky, B.S. (July 1), with Honors
Leonard Wachs, B.S. (July 1)
David Victor Wachsman (October 31)
Julius Weinberg (June 10)
Edward H. Weis (July 1)
Robert E. Widerborg (September 30)
John Paul Winn, B.S. (July 1)
Carlton Emil Wittenberg, B.S. (June 18)
Warren William Young (July 1)
Walter Jacob Zeiter, B.S. (June 15)

REGISTER OF STUDENTS, 1935-36

Fifth-Year Class—Hospital Appointments

(Unless otherwise noted, hospitals are located in Chicago)

Adams, Joel E., Knickerbocker Hospital, New York City.
Adland, Samuel Alfred, B.S., St. Luke's Hospital, Spokane, Washington.
Appel, Ben A., B.S., Roseland Community Hospital.
Ash, Alfred Stone, St. Joseph Hospital.
Baer, Emily M., B.S., Research and Educational Hospital.
Barys, Harold Joseph, B.S., St. Anne's Hospital.
Becker, Oscar Jacob, Cook County Hospital.
Beecher, Merrill Charles, Hurley Hospital, Flint, Michigan.
Berke, Robert David, St. Francis Hospital, Peoria, Illinois.
Blaufuss, Armin Louis, Ph.C., Grant Hospital.
Bowers, Daniel Edward, Augustana Hospital.
Brotman, David Marvin, B.M., Cook County Hospital.
Carter, Robert Vernon, Santa Barbara General Hospital, Santa Barbara, California.
Chabner, Louis, Oak Park Hospital, Oak Park, Illinois.
Cohn, Isadore Hymen, B.S., Cook County Hospital.
Coleman, Clement Clark, B.S., St. Francis Hospital, Evanston, Illinois.
Colyer, George Edward, A.B., B.S., Philadelphia General Hospital, Philadelphia, Pennsylvania.
Deutsch, Nathan Solomon, B.S., Cook County Hospital.
Dobin, Norman B., B.S., Cook County Hospital.
Duboe, Sidney Harvey, St. Bernard's Hospital.
Edel, Frank Wayne, A.B., Ancker Hospital, St. Paul, Minnesota.
Faden, Gerson, A.B., Jackson Park Hospital.
Farinacci, Maurice Graziano, B.S., Jackson Park Hospital.
Fitzpatrick, Thomas J., San Francisco Hospital, San Francisco, California.
Foulke, Lawrence Edward, B.S., Ravenswood Hospital.
Friedenberg, Robert, A.B., B.M., Israel Zion Hospital, Brooklyn, New York.
Gallati, Cyril Melchoir, Research and Educational Hospital.
Gaynes, Harvey Enoch, B.S., Cook County Hospital.
Geever, Erving Francis, B.S., William Beaumont Hospital, El Paso, Texas.
Gilman, George, A.B., B.S., Henry Ford Hospital, Detroit, Michigan.
Glassman, Jacob A., B.S., Cook County Hospital.
Globerson, Irwin, Lutheran Memorial Hospital.
Goldberg, Aaron Louis, Cook County Hospital.
Goldfine, Manuel, B.S., Jackson Park Hospital.
Gorday, Abraham, B.S., Cook County Hospital.
Gordon, Marion Lee, St. Anne's Hospital.
Greco, Vincent James, St. Mary of Nazareth Hospital.
Grossman, Maurice Orrington, A.B., B.S., Edgewater Hospital.
Gunther, Aaron, B.S., Cook County Hospital.
Hack, Rudolf William, A.B., B.S., State Hospital, Kankakee, Illinois; Cook County Hospital.
Hahn, Jacob Francis, B.S., Research Work.
Harris, Zigmore, B.S., Cook County Hospital.
Hassen, Irving, French Hospital, San Francisco, California.
Haverstock, Richard Teal, B.S., Providence Hospital, Seattle, Washington.
Hawkes, James Henry, Ravenswood Hospital; St. Mary of Nazareth Hospital.
Hepner, Paul Earl, B.S., Genesee Hospital, Rochester, New York.
Hill, George Ray, Mercy Hospital, Cedar Rapids, Iowa.
Howard, Henry Sargent, B.S., City Hospital, St. Louis, Missouri.
Hunkel, Victor H., Ph.B., Milwaukee Hospital, Milwaukee, Wisconsin.
Ireneus, Carl, Jr., B.S., Cook County Hospital.
Jamison, Garland Uriah, A.B., City Hospital # 2, St. Louis, Missouri.
Johnstone, John Hick, B.S., Methodist Episcopal Hospital, Indianapolis, Indiana.
Kaeiser, William Henry, Grant Hospital.
Kaminskas, Joseph T., Research and Educational Hospital.
Karel, Jack R., B.S., Providence Hospital, Seattle, Washington.
Katz, Charles, B.S., Edgewater Hospital.
Kaufman, Jerome D., Roseland Community Hospital.
Keller, Robert Stephen, Norwegian Lutheran Deaconesses Home and Hospital, Brooklyn, New York.
Keppleman, George Kieve, B.S., Los Angeles County Hospital, Los Angeles, California.
Klein, Adelbert Herman, B.S., Evangelical Deaconess Hospital, St. Louis, Missouri.
Knudsen, William Nelk, A.B., Cook County Hospital.
Koch, Harold Jay, B.S., Los Angeles County Hospital, Los Angeles, California.
Kravtsow, George Lewis, B.S., Cook County Hospital.
Krieger, Sherburne, B.S., University Hospital.
Kunde, Emerson C., A.B., B.S., Ancker Hospital, St. Paul, Minnesota.
Kurth, Milton Elmer, B.S., Cook County Hospital.
Kwedar, Albert Thomas, B.S., Research and Educational Hospital.
Lang, Herbert, B.S., St. Anne's Hospital.
Lazar, Harry, B.S., Cook County Hospital.
Lerner, Louis Samuel, B.S., Jackson Park Hospital.
Levine, Sydney S., B.S., Cook County Hospital.
Lockwood, William Wayne, B.S., Ancker Hospital, St. Paul, Minnesota.
Lome, Daniel, St. Bernard's Hospital.
MacEachern, Katherine Hypatia, B.S., Los Angeles County Hospital, Los Angeles, California.
Makovsky, Irwin Harry, B.S., City Hospital, St. Louis, Missouri.
Marks, Harold Louis, A.B., B.S., Sacred Heart Hospital, Spokane, Washington.
Mason, Aaron Shiya, B.S., Los Angeles County Hospital, Los Angeles, California.
Messman, Lorrell Edward, B.S., Lutheran Deaconess Hospital.
Morrison, Ira Robert, A.B., B.S., Mercy Hospital, Oshkosh, Wisconsin.
Murphy, James Joseph, B.S., Mercy Hospital.
Nelson, Charles Arthur, Grant Hospital.
Nieder, Samuel, B.S., Cook County Hospital; Chicago State Hospital, Dunning, Illinois.
Nix, Winston K., General Hospital, Kansas City, Missouri.
Olson, Franklin Arnold, B.S., Cook County Hospital; Garfield Park Community Hospital.
Parke, John, B.S., Ancker Hospital, St. Paul, Minnesota.

Platt, Matthew, Cook County Hospital.
Plotkin, Oscar Mandel, B.S., Cook County Hospital.
Price, Harold, Ph.G., Cook County Hospital.
Price, Leonard, B.S., Research and Educational Hospital; St. Mary's Hospital, Grand Rapids, Michigan.
Raider, Joseph, St. Elizabeth's Hospital.
Reynolds, James Stedman, B.S., Cook County Hospital.
Rhea, Keith, B.S., Research and Educational Hospital.
Ricketts, Frederick Jasper, B.S., Mercy Hospital, Des Moines, Iowa.
Rooth, Sidney Sigmund, B.S., Lutheran Deaconess Hospital.
Rosen, Benjamin Bernard, St. Mary of Nazareth Hospital.
Rosen, Irving Isadore, B.S., Cook County Hospital.
Rosenberg, Jack, St. Anthony Hospital; State Hospital, Kankakee, Illinois.
Rosenberg, Samuel William, Cook County Hospital.
Rosenthal, Irving Hyman, B.S., Mount Sinai Hospital.
Sachs, Mandel, Research and Educational Hospital.
Salberg, Seymour R., B.S., Los Angeles County Hospital, Los Angeles, California.
Schettler, Robert Edward, B.S., Deaconess Hospital, Cincinnati, Ohio.
Schiller, Herbert A., Ph.C., B.S., Cook County Hospital.
Schilsky, John Lavine, B.S., Research and Educational Hospital.
Schneider, Kenneth Fosnes, B.S., Iowa Methodist Hospital, Des Moines, Iowa.
Schwade, Leonard Jerome, Milwaukee County Hospital, Wauwatosa, Wisconsin.
Sedlak, Frank C., B.M., St. Anthony's Hospital.
Seifert, William Frederick, St. Luke's Hospital.
Shimkus, Alexander Joseph, B.S., St. Elizabeth's Hospital.
Shulruff, Harry I., B.S., Cook County Hospital
Siegfried, Joseph Howard, West Suburban Hospital, Oak Park, Illinois.
Sievers, Jerome Joel, Ph.G., Cook County Hospital.
Sigler, Robert James, B.S., Santa Rosa Hospital, San Antonio, Texas.
Silbert, David.
Silvert, Pasche, St. Mary's Hospital, Grand Rapids, Michigan.
Slaughter, Danely Philip, B.S., Research and Educational Hospital.
Slavin, Manuel, A.B., City Hospital, St. Louis, Missouri.
Smith, Clarence William, Ph.C., Ph.G., St. Vincent's Hospital, Portland, Oregon.
Sondag, Roger Francis, B.S., St. Mary's Hospital, East St. Louis, Illinois.
Sorensen, Raymond Elmer, B.S., St. Francis Hospital, Evanston, Illinois.
Spiller, Adelbert L., B.S., City Hospital, Cleveland, Ohio.
Spira, Bertram, B.S., Cook County Hospital.
Steer, Albert Elon, B.S., St. Francis Hospital, Evanston, Illinois
Stein, Albert Frank, B.S., Cook County Hospital.
Stevenson, Richard Vawter, B.S., Mercy Hospital, Des Moines, Iowa.
Stout, Samuel Lloyd, Ph.C., Wesley Hospital, Wichita, Kansas.
Tappan, Edward A., B.S., Research and Educational Hospital.
Tasch, Aloysious Felix, A.B., B.S., Santa Rosa Hospital, San Antonio, Texas.
Taubert, Russell Kenneth, Santa Clara County Hospital, San Jose, California.
Tesar, Frank Joseph, B.S., St. Luke's Hospital.
Tinsley, Milton, B.S., Michael Reese Hospital.
Wagner, Jack, Edgewater Hospital.
Waisman, Morris, B.S., Michael Reese Hospital.
Weissman, Leonard H., B.S., Cook County Hospital; State Hospital, Kankakee, Illinois.
White, Raymond Benedict, A.B., B.S., Mercy Hospital.
Wunsch, Charles LeRoy, Grant Hospital.

Fourth-Year Class, 1935-36

(*With hospital appointments for 1936-37*)

Altman, Harrie Pond, Jr., Grant Hospital.
Apfelberg, Herbert Jack, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Ashline, George Harold, A.B., B.S., Shriners' Hospital for Crippled Children; Augustana Hospital.
Backer, Meyer, Ph.C., B.S., Cook County Hospital.
Baumann, Milton Charles, B.S., Ancker Hospital, St. Paul, Minnesota.
Berman, Arthur, Frances E. Willard Hospital.
Bielski, John Anthony, St. Mary of Nazareth Hospital.
Bluefarb, Samuel Mitchell, B.S., Cook County Hospital.
Bohr, George Wencil, St. Anne's Hospital.
Boros, Harold Henry, B.S., Edgewater Hospital.
Brodsky, Abraham, Jackson Park Hospital.
Bucher, Ray Elwood, St. Joseph's Hospital.
Bunchman, Lester Paul, St. Joseph's Hospital, Ft. Wayne, Indiana.
Burack, Samuel, B.S., Cook County Hospital.
Burns, Edward Maurice, St. Anthony's Hospital.
Carr, Herman John Edward.
Cascino, Joseph Peter, B.S., Research and Educational Hospital.
Cecil, John Goolsby, B.S., St. Joseph's Hospital, Denver, Colorado.
Chapman, Ralph R., B.S., Los Angeles County Hospital, Los Angeles, California.
Coggeshall, Chester, B.S., St. Luke's Hospital.
Cutler, John Lewis, Dr. H. D. Groves, L.D.S., Salt Lake City, Utah.
Cutler, Meyer Merle, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Darling, Duane Delbert, B.S., Michael Reese Hospital.
Diamond, Sidney Alfred, B.S., Cook County Hospital.
Dorton, Howard Ellsworth, B.S., Cook County Hospital.
Eddy, Corinne Schenck, Ph.B.
Einhorn, Benjamin, B.S., Los Angeles County Hospital, Los Angeles, California.
Favus, Irving, B.S., Cook County Hospital.
Feldman, Paul Edward, B.S., St. Elizabeth's Hospital.
Ferrell, Robert Vernon, Grant Hospital.
Filip, Joseph Henry, B.S., St. Anne's Hospital.
Finkelstein, Jack, B.S., Cook County Hospital.
Fleischer, Jacob, B.S., St. Catherine's Hospital, East Chicago, Indiana.
Fordon, Leona Rosemary, B.S., Research and Educational Hospital.
Friedman, Harold S., B.S., Edgewater Hospital.
Gessler, Eugene Warren, B.S., Santa Rosa Hospital, San Antonio, Texas.
Goldyne, Alfred Josef, B.S., Lutheran Deaconess Hospital.
Goran, Joseph Robert, St. Luke's Hospital, Cedar Rapids, Iowa.
Gordon, Orville Eugene, B.S., Cook County Hospital.
Goshgarian, Gaspar Asa, St. Elizabeth's Hospital, Appleton, Wisconsin.
Greenberg, Morris, B.S.

Grossblat, Jacob, B.S., Los Angeles County Hospital, Los Angeles, California.
Grossman, Jack William, B.S., Research and Educational Hospital.
Gunn, Samuel Albert, B.S., Jackson Park Hospital.
Hanson, John Olaf, B.S., Ancker Hospital, St. Paul, Minnesota.
Harms, George Melvin, B.S., United States Government.
Havlicek, John A., B.S., St. Anne's Hospital.
Heisler, Friedy B., B.S.
Heritage, Wade Frederic, B.S., Illinois Central Hospital.
Herzog, Paul, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Hilkevitch, Aaron Arthur, B.S., Cook County Hospital.
Hirschtick, Allan Bonner, B.S., Cook County Hospital.
Hoffenberg, Nathan Leonard, B.S., St. Mary's Hospital, East St. Louis, Illinois.
Horsman, Maurice Thomas, Methodist Episcopal Hospital, Indianapolis, Indiana.
Horst, Elfriede, A.B., Los Angeles County Hospital, Los Angeles, California.
Huff, Harold Dale, B.S., Iowa Lutheran Hospital, Des Moines, Iowa.
Hughes, Kenneth Franklin, B.S., Missouri Baptist Hospital, St. Louis, Missouri.
Hutchison, William Addison, Grant Hospital.
Jacks, Francis Marion, B.S., Research and Educational Hospital.
Janicki, Natalia Julia, B.S., Mercy Hospital, Cedar Rapids, Iowa.
Kahn, Ernest Arthur, B.S., Edgewater Hospital.
Kalal, Elmer J., Alexian Brothers Hospital.
Kapernick, John Stuart, B.S., Ancker Hospital, St. Paul, Minnesota.
Kaplan, Henry, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Kaplan, Leo Abraham, Cook County Hospital.
Kavka, Selig Joel, B.S., Mt. Sinai Hospital.
Keyes, John Wesley, B.S., Henry Ford Hospital, Detroit, Michigan.
Klein, Alfred Joseph, B.S., St. Luke's Hospital.
Klein, Ernest Sol, St. Elizabeth's Hospital.
Kleitsch, William Philip, B.S., Research and Educational Hospital.
Krause, Charles Donald, Milwaukee County Hospital, Wauwatosa, Wisconsin.
Kreft, Alfred John, B.S., Cook County Hospital.
Kuhlman, Ralph, Grant Hospital.
Kurvinen, Corinna, B.S., Los Angeles County Hospital, Los Angeles, California.
Kwint, Joseph Arthur, B.S., St. Francis Hospital, Trenton, New Jersey.
Lander, Herman Boris, B.S., Michael Reese Hospital.
Lapid, Gilbert George, B.S., Mt. Sinai Hospital.
Lasin, Harry, Los Angeles County Hospital, Los Angeles, California.
Latta, Philip Rankin, B.S., Ravenswood Hospital.
Lawrence, Fred Hunter, A.B., B.S., Southern Pacific General Hospital, San Francisco, California.
Lawson, Edwin Harvey, B.S., Chicago Memorial Hospital.
Levan, Arthur Bernard, B.S., Michael Reese Hospital.
Levin, Louis, B.S., Mother Cabrini Hospital.
Levisohn, Milton Jack, B.S.
Levisohn, Roland Marco, B.S., Cook County Hospital.
Liebman, Samuel, B.S., Research and Educational Hospital.
Ludmerer, Solomon, B.S., Evangelical Hospital.
McVey, Emerson King, St. Joseph's Hospital.
Marcus, Samuel, B.S., Cook County Hospital.
Matzkin, Lloyd Louis, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Maydet, Simon Jacob, B.S., Jackson Park Hospital.
Miller, Nathan Harry, Evangelical Hospital.
Mooney, Felix Patrick, Lutheran Deaconess Hospital.
Motel, William Goodrich, B.S., Michael Reese Hospital.
Neuchiller, Bernard Benjamin, St. Elizabeth's Hospital.
Olenick, Everett J., B.S., Michael Reese Hospital.
Palmer, Edward, Ph.B., Research and Educational Hospital.
Peal, Leonard, St. Elizabeth's Hospital.
Peterson, Arthur Karl, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Poska, Theodore Algird, B.S., Gorgas Hospital, Panama, Canal Zone.
Quenzer, Fred August, B.S., St. Anne's Hospital.
Reinglass, Samuel S., B.S., Cook County Hospital.
Renaud, Oliver Vernon, B.S., Kings County Hospital, Brooklyn, New York.
Robinson, Stanley Everett, Swedish Covenant Hospital.
Rubin, Herbert Edgar, B.S., Cook County Hospital.
Sawyer, Preston Walker, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Schlan, Louis, B.S., St. Elizabeth's Hospital.
Schmidhofer, Ernst, Jr., Ravenswood Hospital.
Schreiber, Samuel Louis, Ph.C., B.S., Cook County Hospital.
Schwartz, Joseph, B.S., Mother Cabrini Hospital.
Segenreich, Harry, B.S., Kings County Hospital, Brooklyn, New York.
Shapiro, Arthur Louis, B.S., Mt. Sinai Hospital.
Shmigelski, Irene, Women's and Children's Hospital.
Slaw, Adam, B.S., St. Francis Hospital, Aurora, Illinois.
Stastny, John Wallace, B.S., West Suburban Hospital, Oak Park, Illinois.
Steinberg, David William, B.S., St. Elizabeth's Hospital.
Steinberg, Harold, Michael Reese Hospital.
Steinberg, Hyman Sydney, B.S.
Stern, David Henry, Grant Hospital.
Sukis, Anthony Edward, Holy Cross Hospital.
Taylor, John Richard, B.S., Illinois Central Hospital.
Telser, Stanley Edward, A.B., Cook County Hospital.
Trotter, Jay Donald, Missouri Baptist Hospital, St. Louis, Missouri.
Turetsky, Isadore, B.S., Cook County Hospital.
Udesky, Hymen Leon, B.S., University Hospital.
Wade, Chester, B.S., Englewood Hospital
Walsh, William Stanley, B.S., Englewood Hospital.
Walton, Joseph Eugene, Illinois Masonic Hospital.
Wasick, Milan Michael, B.S., Englewood Hospital.
Weil, Leonard L.
Weinberg, Jack, St. Elizabeth's Hospital.
Weller, Ross Russell, A.B., Edgewater Hospital.
Wyngarden, Clarence Benjamin, B.S., Swedish Covenant Hospital.
Yanowitz, Joseph Johanan, B.S., St. Elizabeth's Hospital.
Young, Francis Joseph, B.S., Little Company of Mary Hospital.
Young, Tommy Richard, B.S., St. Louis City Hospital, St. Louis, Missouri.
Zeldes, Mary, B.S., Cook County Hospital.
Zelik, William Bernard, B.S., St. Mary of Nazareth Hospital.
Ziffren, Sidney Edward, B.S., University Hospital, Iowa City, Iowa.
Zimont, Raymond Dumont, B.S., Epworth Hospital, South Bend, Indiana.

Third-Year Class, 1935-36

Abrams, Morris
Alion, John Joseph, B.S.
Argentar, Albert Harry
Atkinson, Willis Hugh
Baker, Dorothy Muriel
Barbakoff, Arthur, B.S.
Bernstein, Sidney Morris
Biddlecombe, Duncan
Boland, John Dempsie
Brown, Bruce Morgan, B.S.
Brown, Leo Jerome, B.S.
Buck, Leonard Samuel, B.S.
Burdick, Maurice Saul, B.S.
Burley, Robert DeForrest, B.S.
Bush, George, B.S.
Cassidy, Alfred A., B.S.
Chapman, Bernard Manuel, B.S.
Cohen, Meyer Barney, B.S.
Cohen, Theodore Michael, B.S.
Cohrs, Clarence, B.S.
Davis, Earl Scott
Dearborn, Robert Fuller
Desulis, Bruno Anton
DeTrana, Frank
Deutsch, Harry Louis, B.S.
Dick, Donald, A.B.
Ditkowsky, Sol Paul
Dulin, Theodore J.
Duncan, Katherine
Dunn, Maurice, B.S.
Eisendorf, Lester H., B.S.
Fabian, Sydney
Faigle, Ernest Theodore, Ph.C.
Faingold, Joseph, B.S., Ph.C.
Falconer, Everett George
Falk, Philip, B.S.
Feldman, Abraham William, B.S.
Firfer, Bourke, B.S.
Fleischli, Franz Karl, B.S.
Fox, Robert George, B.S.
Frank, Mitchell Louis, B.S.
Freeman, Wendel Raymond
Ganan, Irwin E.
Gertz, George Joseph David, B.S.
Gilman, William Nimmo, A.B.
Gladstone, Herman, B.S.
Glassman, Max Marcus, B.S.
Goldt, Henry Bernard
Green, Abraham D.
Grossman, Milton David
Hagele, Marie Anna, B.S.
Hamilton, Eugene G.
Hammatt, Harold Wayne, B.S.
Heaton, John Richard
Heinrich, Jerome Fredrick, B.S.
Hess, Edmond Richard, B.S.
Heyer, Howard E., B.S.
Hlavacek, Louis J., B.S.
Hora, James Leopold, Ph.C., B.S.
Isovitz, Isadore, B.S.
Jackman, Abraham Izzak, B.S.
Jacobs, Henry Joseph, B.S.
Janis, Joseph Charles, A.B.
Jenkins, Hilerd Westley, B.S.
Kagen, Leonard Alvin, B.S.
Kannapel, Lowell Edwin, A.B.
Kantor, Samuel, B.S.
Kaplan, Isadore A., B.S.
Kaplan, Joseph Harold, B.S.
Kaplan, Max, A.B.
Kinser, Walter Curtis
Kinzer, Richard Ernest
Klapman, Martin John, B.S.
Klokke, Karl, B.S.
Kobrinsky, Meyer Walter, B.S.
Kolb, Leonard Hyman, B.S.
Kotas, Walter Samuel, B.S.
Kushner, Meyer, B.S.
Kuznitsky, Meyer, B.S.
Kvidera, George Jerome, B.S.
Lack, Herbert, B.S.
Lakin, Herbert Sol, B.S.
Lattuada, Henry Peter, B.S.
Lenz, Charles Richard, Jr., B.S.
Lepak, Alfred Joseph
Lerner, Milton
Levenson, Joseph Milton, B.S.
Levin, Myron Jame, B.S.
Levine, Edward, B.S.
Lipschultz, Bernard M.
Logsdon, Robert Eugene
Long, Gabe C.
Lorber, Maurice, B.S.
Lorber, Victor, B.S.
Luke, Edward Albert, B.S.
McInerney, Thomas Anthony, B.S.
Madison, Burle Beauregard
Marcus, Philip Milton
Mehlman, Jerome Saul, A.B.
Melamed, Abraham, B.S.
Mitchell, Joseph Rudolph
Moldavsky, Leon Frank, A.B., M.S.
Mosher, Martin Luther, B.S.
Murphy, Raymond B., B.S.
Nagoda, Edward Joseph
Nielsen, Ernest Mark
O'Connor, Dorothy Kathryn, A.B.
Olsman, Louis, B.S.
O'Neill, Paul Joseph, A.B., M.S.
Palumbo, Carl
Pearlman, Sol, Ph.B.
Peck, Hyman, Ph.C., B.S.
Perlmutter, Louis Judea, B.S.
Peters, Clifford Henry
Peterson, Paul Quayle, B.S.
Potter, George Vernon, B.S.
Reifler, Reuben Max, Ph.G., B.S.
Robin, Milton, B.S.
Rosenberg, William, B.S.
Rosenblatt, Albert Hessel, B.S.
Rothschild, Robert Ruby, B.S.
Ryan, Harry Osbourne, B.S.
Sanders, Zal, B.S.
Sauer, Francis Eugene, B.S.
Scannell, Margaret Mary
Schwartz, Walter William, B.S.
Shriner, Walter, B.S.
Sirles, Wayne Pulley, B.S.
Smith, Herschel Stanley, A.B.
Smollar, Leo
Solander, Carl, B.S.
Sosson, Edward, B.S.
Spencer, Robert Andrew, B.S.
Spinka, Isadore, B.S.
Steiner, William Edward, B.S.
Stevens, Robert Healey, B.S.
Suttie, Grant, B.S.
Svetanov, Vladimir Christov, B.S.
Teborek, Roy Frank, B.S.
Tobias, Milton Roy
Trummel, Russell Groves, B.S., M.S.
Walker, Glen Hall
Waller, James Bruce, B.S.
Wasserman, David, B.S.
Wasserman, Reuben Robert, B.S.
Weichselbaum, Paul King, B.S.
Weiner, Harry I., B.S.
Williams, Maybelle P., B.S.
Williamson, Ben Karl, B.S.
Winer, Allen Edward, B.S.
Wright, William Henry, B.S.
Ziegler, Dillman Forbes, B.S.
Zuska, Joseph John, B.S.

Second-Year Class, 1935-36

Adler, Edmund Roy
Albin, Meyer Stanley
Asch, George Frederick von
Atherton, Clifford Worden
Bailis, Jack Mark
Ballou, John William
Barnett, Harold
Baumgartner, Wilbur Whittler, B.S.
Benson, Raymond Emanuel
Berger, Samuel
Berkelhamer, Ralph Carl
Bernstone, Mark
Bielinski, Czeslawa
Blaha, George Charles, B.S.
Bond, C. Spencer
Bowman, John August, Jr.
Brooks, Jack Edward
Brown, Paul Hart, B.S.
Carlin, George Whithan
Christian, Horace Pearse
Cohenour, Robert Elmer
Cohn, Arnold Melvin
Cohn, Philip Edward
Coopersmith, Bernard Isadore
Decker, Sam
Dolan, Patrick Thomas, Jr.
Donoghue, Edmund Roche
Dorris, Victor Murphy
DuVigneaud, DeSales Guillaume
Eagleston, Fred Leroy
Ehrlich, Alfred Stuart
Einhorn, Harold
Falk, Alfred Bernard
Fantus, Robert Alan
Fash, James Cone
Feinberg, Kenneth Hirsch
Feldman, Edward George
Finkelstein, Fannie
Fisher, Leah
Flexman, Edmund Arthur, A.B.
Fort, Richard George
Friedman, Isadore
Friedman, Jack
Friedman, Leonard David
Fromm, Rose
Fruin, Richard Lawrence
Fuqua, Harold Boyd
Gerber, Samuel Theodore
Goder, George Augustine
Goldstein, Robert Maurice, Ph.B.
Gradman, Ralph
Greenberg, Adeline S.
Gregory, Gus Devatenos
Grubman, Marvin
Gutman, Emil, B.S.
Haftkowski, Dominic Joseph
Hallett, Joseph Jacob
Hamilton, Earl Douglas
Handwerger, Irving
Hanks, Thrift Gene
Hanson, Martin Franklin
Hart, Robert Dean
Haskins, Jack Tilden
Havranek, James Charles
Hayes, Rowine Mae
Haynes, Walter George
Hecker, Robert C.
Helfrich, Loring Smith, B.S.
Hellrung, Cecilia Marian
Herron, Harold
Herzberg, Milton
Horwitz, Moris
Howard, Wayne Cox, B.S.
Irons, Edward Pace
Iuppa, Nicholas Victor
Jedlicka, Frank Louis
Jensik, Robert Joseph
Joffe, Herman
Kaiser, Jerome
Kelly, Delbert Cleo
Kemp, Karlton Hubert
Kerman, Willard Z.
Klein, Max Edward
Kruglik, Meyer
Lambert, Edward Howard
Lane, Paul Lilja, D.D.S.
Lapid, Louis Sanford
Lerner, Sydney Alexander
Leverenz, Carleton Walter, Ph.G.
Levin, Jack, Ph.C.
Lubin, Jerome Jack
Malow, Louis
Mankowski, Stanley Joseph
Menaker, Gerald Joseph
Merret, Russell John
Meyer, Benjamin Samuel, Ph.B.
Miller, Herbert Samuel
Moisant, Bernard Edward
Moore, George Ensley, A.B.
Morgan, George Edward
Nesmith, Harry DeWitt
Nowak, Henry Joseph, B.S.
O'Connor, John William
Olson, Stanley William, B.S.
O'Neil, George Joseph
Overholser, John Dwight, A.B.
Patterson, Roy Lee
Pearlman, Maurice David
Peltzer, Wesley Eugene
Perrella, Edward Joseph
Peterson, Lawrence William
Petkus, Antonie
Petrakos, Harry Nick
Piper, William Nelson, Jr.
Pistorius, Kenneth Lewis
Popilsky, Harry Isadore
Premuda, Franklin Fred, A.B.
Prucher, Louis A.
Purvey, Jack Compton
Requarth, William Henry
Ricewasser, Henry, A.B.
Ricketts, Marion Masters, Jr.
Rosanova, Albert R.
Rosenthal, Morris M.
Rothenberg, Harold Jerome
Rushakoff, Oscar
Ryde, Robert Emerson
Sandor, Abraham, B.S.
Sargent, William Farthing
Schaffer, Bernard J.
Schwartz, Merle Harold, A.B.
Sheagren, John Wesley
Shulman, Myer
Simpson, Frederick Gleadall
Smith, Lester Lawrence, A.B.
Sneider, Milton Jerome
Stahl, Charles Frederick
Steinbock, Henry Fred
Steininger, Joseph Francis
Stubenrauch, Charles Henry
Swatek, Albert Frederick
Sweitzer, Caesar, B.S.
Swensson, Evert Anders
Tauber, Sydney William
Tavris, Hyman
Taylor, Jack
Tepper, Leo
Tepper, Sidney Merrill
Tesarik, Annette Vera
Thompson, John Vernon
Varraveto, Anita
Wagner, Merrill Weinert
Wallace, John Keay, II
Walter, Jacob

Waniata, George Norman, Ch.E.
Warshell, Arnold Harris
Weinberg, Benjamin Abra
Weinstein, Roy Cyril
Weintraub, Jerome
Weissman, Charles Gilbert
Wienman, George Joseph
Williams, Fred Miller
Williger, Irwin Fox
Wilson, Scottie Jackston, B.S.
Winters, Kenneth John, A.B.
Yaffe, Bernard
Yemm, Warren Ashley

First-Year Class, 1935-36

Adams, Vail Burdette
Adland, Morris A.
Aliotta, Vincentia Carmela
Anderson, Donald William
Anderson, Stanley Edward
Archer, Lendall Dee
Arends, G. William
Barket, Soddie James
Barringer, Floyd Samuel
Bartoli, Adolph, Jr.
Becker, Leonard Albert
Beebe, Robert Archie
Binder, Paul
Blakesley, Leonard Paul
Bocian, Jack James
Boeke, Emmert George
Borshevsky, George
Brazda, Ctimir Silas, D.D.S.
Brebis, George Joseph
Brown, Theodore Wallingford
Brown, William John
Buchholz, Alexander Maurice
Buckley, Joseph Harry
Buffenstein, Morton
Campbell, Joseph Michael
Carstens, Herman Paul, B.S.
Chasten, Stephen
Cody, Edward Thomas
Cooper, George Joseph
Corpe, Raymond Francis, B.S.
Crocker, Melvin Hugh
Cropper, Wesley Comfort
Cumming, Thomas Stuart
Curtis, David Thomas
Danishek, Emil Stephan
Derengoski, Cornell Leonard, B.S.
Diamondstone, Albert H.
Domm, Sheldon E., A.B., A.M.
Dorne, Ralph Marvin
Drell, Maurice Joseph
Dworin, Jack
Ehrlich, Louis, Ph.C.
Ehrlich, Norman James
Engle, Harold Martin
Engstrom, Robert B., A.B.
Esposito, Peter Thomas
Fagman, Emanuel Bass
Farr, Edith Lettye
Feltych, Anthony John
Foster, Lawrence Edmund
Frantz, Kieffer Evans
Freier, Morton Laurence
Gardner, Leon Philip
Gembala, Mitchell Francis
Gerber, Harold Xen
Geyer, Norman Byron, A.B.
Goldman, Samuel
Goodson, Samuel Bernard
Gordon, Hyman
Gossom, Donn Robert
Gregorio, John Theodore
Grimm, Harold Anthony
Grossman, Edward Stanley
Grossman, William Louis
Groth, Norton Robert
Hart, Florence Eunice
Hartman, Melville Daniel, A.B.
Heimstra, Fred A.
Hellman, Jack M.
Herbst, Robert Rudolph
Hofstra, Raymond, A.B.
Hone, Howard Russell, B.S.
Hrejsa, Francis Joseph
Hurter, Jerome Andrew
Icenogle, Grover Donald
Iler, Rex Leroy, A.B.
Ioriatti, John
Janus, Arthur Israel, B.S.
Joffe, H. Harold
Johnson, Grant Trempa
Juska, Aldona Ann
Kaplan, Benjamin Barnett, B.S.
Kaplan, David Samuel
Klamka, Herman George
Klein, Harold
Klein, Louis
Klein, Sidney, Ph.G.
Kligerman, Sidney
Kolodny, Sidney M.
Kondziorski, Raymond F.
Kotin, Paul
Kryda, Genevieve Agnes
Kudolla, Charles Rudolph
Kunckel, Edward Wickliffe
Kuzma, Joseph Francis
Lang, Morris
Lee, Mrs. Muriel Lesser, B.S.
Lerner, Isadore
Lerner, Philip
Levitin, Lawrence Arnold
Levy, Robert
Lewin, Robert Lawrence
Lipman, Eli Allen, A.B.
Lombardo, Samuel Sebastian
Lowy, Howard Arthur, Ph.G.
Lundgren, Edward Steve
McKinney, Delbert Wesley
Mann, Lawrence Stanley
Martin, John Stephen, Ph.B.
Mason, Coye Carlton
Miller, Reuben Harold
Millis, Jack William
Mirro, John Anthony
Morton, Chauncey L.
Moseley, George Harley
Mosiman, William Dillon
Newman, Carl Robert
Niederman, Dorothy Jean
Novack, Benjamin
Oleck, Adrian Robert
Osher, Seymour Leon
Palermo, Amiel Lewis, Ph.C.
Pastron, Seymour
Peppard, Donald Francis
Peterson, John Theodore
Pierce, James Donald
Plattner, Edward Bernard
Porte, David Morton
Pruszynski, Jerome C.
Rapoport, Anita Esterre, B.S.
Rapp, William Elon
Rattner, Bernard
Raymon, Wilda Eloise
Reidell, Eleanor Aleen
Reingold, Irving Maynard
Richards, Gordon Laraway
Richmond, Julius Benjamin
Roane, Robert Dixon
Roseman, Leo Leiff, B.S.
Rosen, Bernice Shirley
Row, Harry Ralph
Russell, William Elles
Sazama, Frank Joseph
Schick, William Rhinehart
Schiff, Isadore
Schosser, Milo Hill

Schreiber, Adrian Leonard
Schwartz, Louis
Segal, Morey Max
Shaffer, William Thurman
Shapiro, Maynard Irwin
Shiels, Thomas Victor
Shirer, Benjamin Franklin
Simon, Albert Joseph
Simonson, Melvin
Snively, Robert Rice
Spierer, Eugene
Sprecher, Herman C.
Strassman, Bernard
Sumner, Albert
Swisher, William Porter
Tarre, Harold Israel
Turner, Ralph Strong
Twente, George Edward
Ury, Boris Sergei, B.S.
Van Atta, Roger Allan
Walter, LeRoy Eugene
Webb, Edward Francis
Weir, Homer Fauquier, A.B.
Weisbach, Philip Thomas, Jr.
Weiskopf, Henry Sol
Weiss, Alvin
Weissman, Irving
Westmark, Carl Elmer
Whitehead, Ira Condict
Witthoff, Evelyn Martha
Wolf, Glenn Clarence
Zeman, Laddie Walter
Zimring, William J.
Zitman, Irving H.

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

GRADUATE COURSES IN MEDICINE AND DENTISTRY

Departments of Anatomy; Dental Histology; Dental Therapeutics; Dermatology; Juvenile Behavior; Laryngology, Rhinology, and Otology; Medicine; Metallurgy; Neuropsychiatry; Obstetrics and Gynecology; Ophthalmology; Oral Surgery; Orthodontia; Orthopaedics; Pathology and Bacteriology; Pediatrics; Pharmacology; Physiological Chemistry; Physiology; Surgery.

Announcement of
Summer Session of 1936, June 8 to September 5,
and Session of 1936-37

GRADUATE SCHOOL CALENDAR
(CHICAGO)

Summer Session

1936	
June 6 and 8, Saturday and Monday	Registration days.
June 8, Monday	Summer Session begun.
July 4, Saturday	A legal holiday.
Sept. 5, Saturday	Summer Session ended.

First Semester

Sept. 14, Monday	Last day for candidates for masters' degrees in October to file applications for degrees and to deposit theses.
Sept. 30-Oct. 1, Wednesday-Thursday	Registration days.
Nov. 26, Thursday	Thanksgiving Day.
Dec. 19, Saturday, 6 P.M.	Holiday recess begun.
1937	
Jan. 4, Monday, 8 A.M.	Instruction resumed.
Jan. 11, Monday	Last day for filing applications for masters' degrees to be conferred in February.
Jan. 11, Monday	Last day for candidates for doctors' degrees in February to deposit theses.
Jan. 25. Monday	Last day for candidates for masters' degrees in February to deposit theses.

Second Semester

Feb. 10-11, Wednesday-Thursday	Registration days.
Mar. 25, Thursday	Last day for filing applications for masters' degrees to be conferred in June.
Mar. 25, Thursday, 6 P.M.	Easter recess begun.
Mar. 29, Monday, 8 A.M.	Instruction resumed.
May 10, Monday	Last day for candidates for doctors' degrees in June to deposit theses.
May 24, Monday	Last day for candidates for masters' degrees in June to deposit theses.
June 11, Friday	Annual Commencement.

EXECUTIVE FACULTY OF THE GRADUATE SCHOOL[1]

1935-36

ARTHUR CUTTS WILLARD, B.S., D.Eng., LL.D., *President of the University*

ROBERT DANIEL CARMICHAEL, Ph.D., *Professor of Mathematics and Dean of the Graduate School*
THOMAS WHITFIELD BALDWIN, Ph.D., *Professor of English*
CLARENCE ARTHUR BERDAHL, Ph.D., *Professor of Political Science*
ERNEST LUDLOW BOGART, Ph.D., *Professor of Economics*
DAVID JOHN DAVIS, M.D., Ph.D., *Professor of Pathology and Dean of the College of Medicine*
COLEMAN ROBERTS GRIFFITH, Ph.D., *Professor of Education*
WHITNEY CLARK HUNTINGTON, M.S., C.E., *Professor of Civil Engineering*
FRANCIS WHEELER LOOMIS, Ph.D., *Professor of Physics*
HAROLD HANSON MITCHELL, Ph.D., *Professor of Animal Nutrition*
HERBERT FISHER MOORE, M.E., M.M.E., D.Sc., *Research Professor of Engineering Materials*
WILLIAM SPENCE ROBERTSON, Ph.D., *Professor of History*
WORTH HUFF RODEBUSH, Ph.D., *Professor of Physical Chemistry*
RAYMOND STRATTON SMITH, Ph.D., *Professor of Soil Physics*
CHARLES ZELENY, Ph.D., *Professor of Zoology*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

DAVID JOHN DAVIS, M.D., Ph.D., *Chairman*
FREDERICK BOGUE NOYES, A.B., D.D.S., D.Sc.
HUGH ALISTER MCGUIGAN, Ph.D., M.D.
FREDERICK HOWARD FALLS, M.S., M.D.
WILLIAM HENRY WELKER, A.C., Ph.D., *Secretary*

THE TEACHING FACULTY IN MEDICINE AND DENTISTRY[2]

1935-36

DAVID JOHN DAVIS, M.D., Ph.D., *Dean of the College of Medicine, Professor of Pathology, Head of the Department of Pathology, Bacteriology, and Public Health*
WILLIAM HENRY WELKER, A.C., Ph.D., *Professor of Physiological Chemistry and Head of the Department*
HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor of Pharmacology, Materia Medica, and Therapeutics and Head of the Department*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, consisting of the Dean of the Graduate School, three members elected by the Teaching Faculty, and ten additional members appointed by the President of the University after consultation with the Dean and the elected members.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

OTTO FREDERICK KAMPMEIER, Ph.D., M.D., *Professor of Anatomy and Head of the Department*

FREDERICK BROWN MOOREHEAD, D.D.S., M.D., M.S., *Professor of Oral Surgery and Head of the Department of Oral and Plastic Surgery and Oral Pathology*

WILLIAM F. PETERSEN, B.S., M.D., *Professor of Pathology*

FREDERICK BOGUE NOYES, A.B., D.D.S., D.Sc., *Dean of the College of Dentistry, Professor of Orthodontia, Head of the Department, and Director of the Children's Clinic*

OLAF BERGEIM, Ph.D., *Associate Professor of Physiological Chemistry*

ALBERT BACHEM, Ph.D., *Professor of Biophysics*

FREDERICK HOWARD FALLS, M.S., M.D., *Professor of Obstetrics and Gynecology and Head of the Department*

JULIUS HAYES HESS, M.D., *Professor of Pediatrics and Head of the Department*

FRANCIS EUGENE SENEAR, B.S., M.D., *Professor of Dermatology and Head of the Department*

LLOYD ARNOLD, A.M., M.D., *Professor of Bacteriology and Public Health*

WALTER JOHN RICHARD CAMP, M.D., Ph.D., *Professor of Pharmacology, Materia Medica, and Therapeutics*

JAMES ROY BLAYNEY, D.D.S., M.S., *Professor of Therapeutics, Head of the Department of Dental Pathology and Therapeutics, and Associate Director of the Infirmary*

PAUL LOUIS SCHROEDER, B.S., M.D., *Professor of Criminology, Social Hygiene, and Medical Jurisprudence, Head of the Department, and Director of the Institute for Juvenile Research*

HAROLD DOUGLAS SINGER, M.B., M.D., *Professor of Neuropsychiatry, Head of the Department, and Director of the Psychiatric Institute*

HENRY BASCOM THOMAS, B.S., M.D., *Professor of Orthopaedics, Head of the Department, and Director of the Illinois Surgical Institute for Children*

GEORGE BORIS HASSIN, M.D., *Professor of Neuropsychiatry*

ANDREW WILSON BROWN, Ph.D., *Associate Professor of Criminology, Social Hygiene, and Medical Jurisprudence*

MAURICE B. VISSCHER, Ph.D., M.D., *Professor of Physiology and Head of the Department*

RICHARD HERMANN JAFFÈ, M.S., M.D., *Professor of Pathology*

ISAAC SCHOUR, D.D.S., Ph.D., *Professor of Histology*

ROBERT WOOD KEETON, M.S., M.D., *Professor of Medicine and Head of the Department*

ERNST GELLHORN, M.D., Ph.D., *Professor of Physiology*

ISADORE PILOT, B.S., M.D., *Associate Professor of Pathology and of Medicine*

HENRY GEORGE PONCHER, B.S., M.D., *Associate Professor of Pediatrics*

CARROLL LAFLEUR BIRCH, M.S., M.D., *Assistant Professor of Medicine*

ARTHUR GIDEON COLE, Ph.D., *Assistant Professor of Physiological Chemistry*

ERIC OLDBERG, M.D., Ph.D., *Associate Professor of Neurological Surgery, and Acting Head of the Department of Surgery*

GERHARDT VON BONIN, M.D., *Assistant Professor of Anatomy*

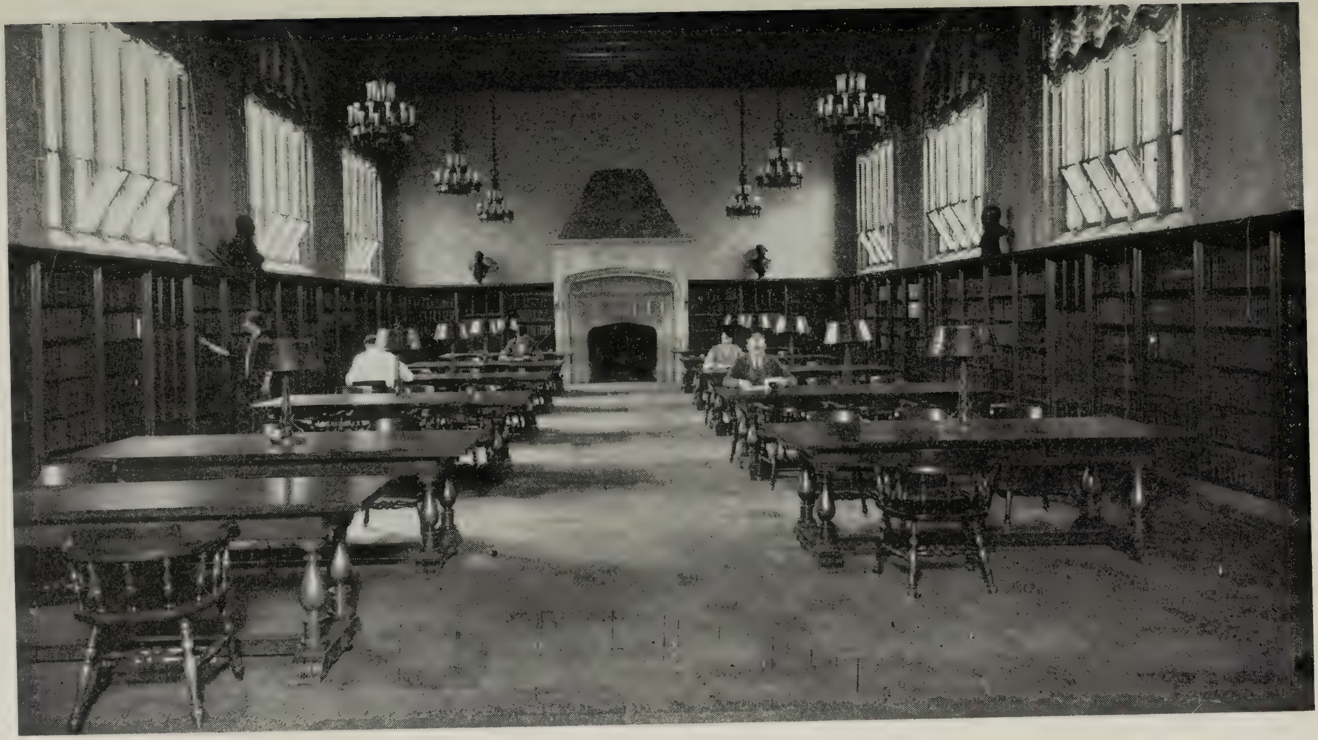
CHARLES BERNARD PUESTOW, M.D., Ph.D., *Assistant Professor of Surgery*

CARLOS ISAAC REED, Ph.D., *Associate Professor of Physiology*

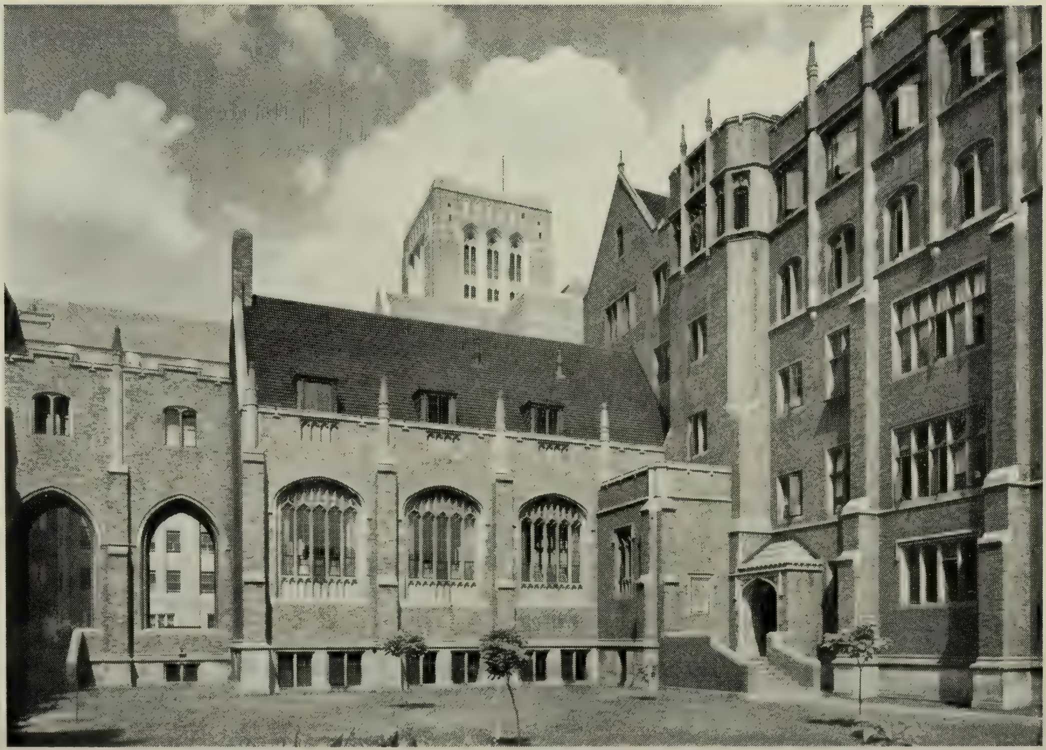
ALLAN GIBSON BRODIE, D.D.S., M.S., *Professor of Orthodontia*

RUSSELL DORR HERROLD, B.S., M.D., *Associate Professor of Surgery*

GÉZA DE TAKATS, M.D., M.Surg., *Assistant Professor of Surgery*



Main Reading Room of the Library



Library and Passage Way to Hospital With New Laboratory Building in Background

GRADUATE WORK IN MEDICINE AND DENTISTRY

Admission

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine and Dentistry. Every applicant must submit with his application for admission an official transcript of his college record.

Registration and Program of Study

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been interrupted by unavoidable circumstances. *No student is permitted to attend any University course in which he is not registered.*

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Medical Students and Graduate Study.—If at the beginning of the second semester of his second year a student in the College of Medicine, who has been in residence at least one year, and who has completed all of the required courses of the first three semesters and has maintained an average in all work in Medicine of at least 85%, may be permitted to register for one unit which may count for residence for a master's degree. Only students of excellent record will be allowed this privilege.

Members of the third-year and fourth-year classes in the College of Medicine, who have strong scholastic records, and who have the bachelor's degree, may register for one unit of graduate work per semester, substituting it for one medical course and the electives in the junior year and for the electives in the senior year.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Dean, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigations in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Recorder's Office. If he wishes to withdraw from the University he must get clearance papers at the Recorder's Office.

Masters' Degrees

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *mimimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

Undergraduate courses in Medicine in any department are not accepted as applying toward a graduate degree if the major is in that department.

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. He may not attend more than twelve a week without special permission.

Grades.—Students' work is graded in five classes, A, B, C, D, and E. The last indicates a failure. "D" indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below "B" during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below "B" disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or a minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. No student will be permitted to acquire residence toward the second year for the doctorate until he has passed the preliminary examination in at least one of these languages.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only, must be secured and the subject of the thesis filed at the office of the Graduate School not later than the beginning of the second half year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Dean of the Graduate School, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand from one to two units of work, and may not exceed three units. The thesis must be typewritten, on "thesis-paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's Office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 338, Research Laboratory and Library Building.

A student who has completed all of the residence and course requirements for the master's degree but who is still working on his thesis is required to register for an additional "Thesis" unit of work during the semester or session in which he expects to present himself for the degree. The incidental fee for such registration is $10.00.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Secretary's office. For the dates of application and deposition of theses, consult the calendar on page 76.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. The other minor (not less than two units) must, in that case, be taken in a department of study other than that of the major.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence, during a certain period, but for scholarly attainments and power of investigation, as proved by theses and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

Preliminary Examinations

A. *In Languages.*—The student will be required to demonstrate his ability to read French and German and other languages needed in his work. (In special cases the Executive Faculty, upon recommendation of the student's adviser, may substitute for either one of the languages usually required some other language which can be shown to be more useful in that student's professional research.) No student will be permitted to acquire residence towards the second year of graduate study until he has passed the examination in at least one of these languages. Both the examination in French and that in German must be passed before the student is admitted to the preliminary examination in his major and minor subjects.

B. *In Major and Minors.*—Towards the end of his second year of study, or by special permission, at the beginning of his third year (not later than October 15), a student who wishes to become a candidate for the degree must submit to a preliminary examination. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years of graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

Final Examination

At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time though it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper,* and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Secretary's office.

Fees and Expenses.—Except as noted below, graduate students in medicine and dentistry pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer session)	25.00
Students not residents of Illinois pay an incidental fee of	37.50
Incidental fee (semester)	35.00
Students not residents of Illinois pay each semester an incidental fee of	62.50
Late registration fee.—Students who enter the Graduate School after registration day are charged a late registration fee of	5.00
Graduation fee	10.00

Laboratory fees are assessed to cover the cost of materials used.

For the graduate course in orthodontia in preparation for the practice of orthodontia as a specialty, the yearly tuition fee is $600, one-third payable at the beginning of the second semester in February, at which time the course opens, one-third in June at the beginning of summer school, one-third in October, at the beginning of the first semester.

All persons on University appointment or on appointment in allied surveys and laboratories in Urbana and the research and educational hospitals in Chicago, eligible for admission to University work, also superintendents, principals, and teachers employed in the public school systems of Illinois and teachers and members of the staff in colleges and universities in this state, when admitted to instruction in the Graduate School during the period of their employment, may be permitted to attend University classes for credit, on condition that they register and pay either the regular incidental fees, or, at their election, fees assessed at $10.00 per unit. Persons on University appointment at a salary of $1,600 or less who are registered in the Graduate School are exempt from all fees in courses for graduate credit.

For information concerning the privileges of deferring fees, see page 32 of this circular.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the graduation fee on being recommended for their degrees.

Library

Adequate library facilities are essential to the prosecution of graduate work and research. In the library may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

GRADUATE COURSES IN MEDICINE AND DENTISTRY

ANATOMY

101. *Advanced Anatomy.*—The work may take the direction either of macroscopic or of microscopic anatomy, or of both, according to the student's major problem: in macroscopic anatomy, a detailed redissection of the human body, or any of its parts; in microscopic anatomy (embryology, cytology, histology, etc.), a consideration of morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. (Work in the laboratory for tissue culture in association with Assistant Professor Zechel). Course designed for students choosing anatomy as a minor, and for students preparing for individual research in anatomy. (*1 to 2 units*). Professor Kampmeier, Assistant Professor von Bonin.

103. *Individual Research.*—In embryology, cytology and histology, neurology, anthropology and biometrics, experimental morphology, functional and applied anatomy. (*1 to 3 units*). Professor Kampmeier, Assistant Professor von Bonin.

DENTAL HISTOLOGY

106. *Advanced Dental Histology.*—One or two units. Professor Schour.

107. *Research in Microscopic Anatomy (Teeth and Related Tissues).*—One to three units. Professor Schour.

DENTAL PATHOLOGY AND THERAPEUTICS

101. *Advanced Therapeutics.*—One or two units. Professor Blayney.

103. *Therapeutic Research.*—One or two units. Professor Blayney.

DERMATOLOGY

101. *Research in Dermatology.*—One to three units. Professor Senear.

JUVENILE BEHAVIOR

101. *Research in Juvenile Behavior.*—One to three units. Professor Schroeder.

102. *Advanced Work in Juvenile Behavior.*—One to three units. Professor Schroeder.

103. *Special Abilities and Disabilities.*—One or two units. Associate Professor Brown.

104. *Psychological Tests.*—One or two units. Associate Professor Brown.

105. *Psychology of Behavior Problems.*—One or two units. Associate Professor Brown.

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

101. *Research in Laryngology, Rhinology, and Otology.*—One to three units.

MEDICINE

101. *Research in Medicine.*—One to three units. Professor Keeton, Assistant Professor Birch.

NEUROPSYCHIATRY*

101. *Research in Neurology.*—One to three units. Professor HASSIN.

102. *Research in Psychiatry.*—One to three units. Professor SINGER.

OBSTETRICS AND GYNECOLOGY

101. *Research in Obstetrics and Gynecology.*—One to three units. Professor FALLS.

OPHTHALMOLOGY

101. *Research in Ophthalmology.*—One to three units.

ORAL SURGERY

101. *Pathology of Mouth.*—One or two units. Professor MOOREHEAD.

103. *Oral Surgery.*—One or two units. Professor MOOREHEAD.

ORTHODONTIA

101. *Orthodontia.*—One to three units. Professor NOYES.

ORTHOPAEDICS

101. *Research in Orthopaedics.*—One to four units. Professor THOMAS.

PATHOLOGY AND BACTERIOLOGY

101. *Advanced Pathogenesis.*—One to three units. Professors DAVIS, PETERSEN, ARNOLD, and JAFFÈ, Associate Professor PILOT.

103. *Individual Research.*—One to four units. Professors DAVIS, PETERSEN, ARNOLD, and JAFFÈ, Associate Professor PILOT.

PEDIATRICS

101. *Research in Pediatrics.*—One to three units. Professor HESS, Associate Professor PONCHER.

PHARMACOLOGY

101. *Advanced Pharmacodynamics.*—Laboratory work. One to three units. Professors MCGUIGAN and CAMP.

103. *Research in Pharmacodynamics.*—One to three units. Professors MCGUIGAN and CAMP.

PHYSIOLOGICAL CHEMISTRY AND METALLURGY

101. *Advanced Biological Chemistry.*—Biochemical methods of research, biological colloids, enzyme action, and metabolism. One or two units. Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.

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*In September, 1936, there will be established a new department—Neurology and Neurological Surgery—under the headship of Professor Eric Oldberg. The Department of Neuropsychiatry will then become the Department of Psychiatry.

102. *Metallurgical Research.*—One or two units. Professor Welker.

103. *Biochemical Research.*—One or two units. Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.

PHYSIOLOGY

101. *Research in Physiology.*—One to three units. Professors Visscher and Gellhorn, Associate Professor Reed.

102. *Research in Biophysics.*—One to three units. Professor Bachem.

103. *Seminar in Selected Fields.*—One unit per semester. Professors Visscher, Bachem, and Gellhorn, Associate Professor Reed.

104. *Current Literature Seminar.*—One-half unit per semester. Required of all graduate students in physiology. Professors Visscher, Bachem, and Gellhorn, Associate Professor Reed.

SURGERY*

101. *Research in Surgery.*—One to three units. Associate Professors Oldberg and Herrold, Assistant Professors Puestow and de Takats.

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*In September, 1936, there will be established a new department—Neurology and Neurological Surgery—under the headship of Professor Eric Oldberg. At that time Dr. Warren H. Cole, of St. Louis, will become head of the Department of Surgery.

GRADUATE SCHOOL DEGREES CONFERRED, 1935

Degree of Doctor of Philosophy

Conferred in June, 1935

In Physiology

David Wilmarth Northup, A.B., Reed College, 1930; A.M., University of Oregon, 1932. The secretory metabolism of the salivary glands.

Degree of Master of Arts

Conferred in June, 1935

In Psychology

Maurice Lichtenstein, A.B., 1932

Conferred in October, 1935

In Psychology

Margaret Tedrick Davidson, A.B., 1933

Degree of Master of Science

Conferred in February, 1935

In Oral Surgery

John B. Erich, B.S., M.D., D.D.S., 1929, 1932, 1933

In Orthodontia

Fred James Angel, D.D.S., University of Southern California, 1933
Arthur Bedward Lewis, D.D.S., Ohio State University, 1933.
George Hanna Prewitt, B.S., University of Kentucky, 1930; D.D.S., University of Louisville, 1933
Henry Arnold Sturman, D.D.S., 1922
Frank Blaine Truesdell, B.S., University of Nebraska, 1931; D.D.S., 1934

In Psychology

Thelma Ethelde Grubb Brown, B.S., Ohio State University, 1930

In Physiology

Milton Arnold Dushkin, B.S., M.D., 1931, 1934.

Conferred in June, 1935

In Bacteriology

John Anthony Vaichulis, B.S., University of Notre Dame, 1929

IN OBSTETRICS AND GYNECOLOGY

D. EVELYN MILLER, A.B., Central Wesleyan College, 1921; B.S., M.D., University of Nebraska, 1926, 1928

IN PATHOLOGY

HOWARD ZEITLIN, B.S., M.D., 1929, 1932

IN PHARMACOLOGY

PAUL DAVID CARPENTER, Ph.G., 1925; B.S., University of Michigan, 1930

IN PHYSIOLOGICAL CHEMISTRY

GEORGE EVERETT GILMAN, A.B., B.S., 1931, 1933

IN SURGERY

CARLO SALVADORE SCUDERI, B.S., M.D., 1926, 1929

Conferred in October, 1935

IN JUVENILE BEHAVIOR

AUGUSTA TRUE JAMESON, A.B., Ohio Wesleyan University, 1926

GRADUATE STUDENTS IN MEDICINE AND DENTISTRY

1935-1936

Explanation.—S indicates attendance during the Summer Session; I, during the First Semester; II, during the Second Semester. Degrees are from the University of Illinois unless otherwise noted.

Amelotti, Emil, Chicago.—Physiology. (I.II.) B.S., M.S., 1925, 1927.
Apfelberg, Herbert Jack, Chicago.—Medical Psychology. (I.II.) B.S., 1934.
Asher, Harry H., Chicago.—Metallurgy. (II.) D.D.S., M.S., 1931, 1933.
Balding, Bruce Ned, Lincoln.—Gynecology. (I.) A.B., M.D., 1929, 1934.
Ballard, George Pratt, Chicago.—Bacteriology. (II.) B.S., Northwestern University, 1932.
Barbakoff, Arthur, Chicago.—Otolaryngology. (I.II.) B.S., 1935.
Bedinger, Paul Lincoln, Danville.—Pathology. (I.) A.B., B.S., M.D., 1931, 1932, 1935.
Berman, David, Chicago.—Dental Histology. (II.) B.S., D.D.S., 1934, 1935.
Bonnell, Ellis, Harrisburg.—Psychiatry. (II.) B.S., M.D., 1934.
Briggs, Frances Agnes, Metamora.—Physiological Chemistry. (I.II.) B.S., 1926; M.S., Tulane University, 1928.
Broder, Samuel B., Chicago.—Psychiatry. (I.II.) A.B., University of Pennsylvania, 1926; M.D., Rush Medical College, 1933.
Brodie, Allan Gibson, Park Ridge.—Anatomy. (I.II.) D.D.S., M.S., 1919, 1934.
Brooks, Jack E., Chicago.—Psychiatry. (II.)
Brown, Bruce Morgan, Lemont.—Pathology. (I.II.) B.S., 1935.
Buck, Katheryn Elizabeth, Chicago.—Pathology. (I.II.) A.B., Purdue University, 1934.
Buck, Leonard Sumner, Chicago.—Medicine. (II.) B.S., 1935.
Burdick, Maurice Saul, Chicago.—Psychiatry. (I.) B.S., University of Chicago, 1931.
Carstens, Herman P., Chicago.—Surgery. (I.II.) B.S., University of Chicago, 1932.
Cascino, Joseph Peter, Chicago.—Pathology. (I.II.) B.S., 1934.
Cohen, Meyer Bernard, Chicago.—Dermatology. (II.) B.S., 1935.
Cohen, Theodore M., Chicago.—Dermatology. (II.) B.S., 1935.
Coopersmith, Bernard Ira, Chicago.—Physiological Chemistry. (II.)
Darling, Duane Delbert, Chicago.—Medicine. (I.II.) B.S., University of Chicago, 1930.
Darling, Ralph P., Waterman.—Psychology. (II.) A.B., A.M., 1932, 1933.
Deutsch, Harry Louis, Chicago.—Physiology. (I.II). B.S., 1935.
Dreyer, Irving, Chicago.—Pathology. (I.II.) B.S., M.D., M.S., 1928, 1932, 1931.
Dunn, Maurice, Chicago.—Pathology. (I.II.) B.S., 1935.
Einhorn, Ben, Chicago.—Physiology. (I.) B.S., 1922.
Eisendorf, Lester Harrow, Chicago.—Obstetrics. (II.) B.S., 1935.
Ewert, Earl Ernst, Chicago.—Surgery. (II.) B.S., M.D., 1924, 1926.
Faingold, Joseph Edwin, Chicago.—Physiological Chemistry. (I.II.) Ph.C., B.S., 1929, 1935.
Finkelstein, Fannie, Chicago.—Bacteriology. (II.)
Foster, Roberta, Mt. Carmel.—Juvenile Behavior. (II.) A.B., Wellesley College, 1935.
Francis, James Donald, Chicago.—Surgery. (I.II.) B.S., M.D., Georgetown College, 1928, 1930.
Frank, Mitchell Louis, Chicago.—Pathology. (I.II.) B.S., 1935.
Friedman, Isadore, Chicago.—Psychiatry. (II.)
Gant, Virgil Arnett, Lebanon.—Pharmacology. (I.II.) B.S., M.S., 1921, 1932.
Gasul, Benjamin Morris, Chicago.—Pediatrics. (I.) B.S., University of Wisconsin, 1921; M.D., Rush Medical College, 1924.
Gernon, J. Talbot, Bloomington.—Surgery. (I.) B.S., M.D., 1926, 1928.
Glickman, Nathaniel, Chicago.—Physiology. (I.II.) B.S., University of Chicago, 1934.
Goldyne, Alfred Josef, Chicago.—Pathology. (I.II.) B.S., 1934.
Goodman, Louis, Chicago.—Pathology. (II.) M.D., Temple University, 1934.
Gradman, Ralph, Chicago.—Physiological Chemistry. (II.)
Grossman, Jack William, Chicago.—Physiology. (I.) B.S., 1934.
Grubman, Marvin, Chicago.—Physiological Chemistry. (II.).
Grunwald, Marshall Frederick, Oak Park.—Dental Pathology. (I.II.) B.S., D.D.S., 1933, 1935.
Hagele, Marie Anna, St. Joseph, Mo.—Bacteriology. (I.II.) B.S., Lewis Institute, 1931.
Hahn, Jacob Francis, Donnellson.—Pharmacology (S.) B.S., 1930.
Hammatt, Harold Wayne, Cerro Gordo.—Surgery. (I.II.) B.S., 1935.
Harvey, Cecil Claude, Chicago.—Physiological Chemistry. (S.I.II.) B.S., University of Louisville, 1929; M.S., University of Chicago, 1931.
Hecht, Rudolph, Chicago.—Medicine. (I.II.) B.S., M.S., M.D., 1930, 1932, 1933.
Herndon, Zelma, Chicago.—Obstetrics. (I.) B.S., M.D., 1929, 1933.
Hess, Walter R., Elkhorn, Neb.—Bacteriology. (II.) B.S., University of Nebraska, 1927.
Heyer, Howard Eugene, Chicago.—Medicine. (II.) B.S., 1935.
Hick, Ford Kimmel, Oak Park.—Medicine. (S.I.II.) B.S., M.D., M.S., 1928, 1931, 1932.
Hill, Harold Herrin, Athens.—Obstetrics. (I.II) B.S., M.D., 1926, 1929.
Hirschberg, Nell, Glencoe.—Bacteriology. (S.I.II.) A.B., Smith College, 1928; A.M., University of Colorado, 1933.
Holder, Norton Wieder, Chicago.—Physiological Chemistry. (I.II.) A.B., Western Reserve University, 1935.
Hood, Marion, Rapid City, S.D.—Bacteriology. (S.I.II.) A.B., Carroll College, 1918; A.M., University of Wisconsin, 1928.
Iler, Rex Leroy, St. Anne.—Physiology. (II) A.B., 1935.
Isovitz, Isadore, Chicago.—Dermatology. (II.) B.S., 1935.
Jackman, Abraham Izzak, Chicago.—Pathology. (S.I.II.) B.S., 1935.
Jensik, Robert Joseph, Berwyn.—Medicine. (II.)
Kalmanson, George Maurice, Chicago.—Bacteriology. (S.I.II.) B.S., City College of New York, 1934.
Kalsem, Millie Evelyn, Chicago.—Physiological Chemistry. (I.II.) B.S., Iowa State College, 1921.
Kammerer, Robert Crane, Champaign.—Juvenile Behavior. (S.I.II.) A.B., 1933.
Kapernick, John Stuart, Evanston.—Bacteriology. (I.II.) B.S., 1934.

Kaplan, Benjamin Barrett, Chicago.—Bacteriology. (I.II.) B.S., University of Chicago, 1933.
Kaplan, Isadore A., Chicago.—Physiological Chemistry. (I.II.) B.S., 1935.
Kaplan, Joseph Harold, Chicago.—Dermatology. (II.) B.S., 1935.
Kaplan, Max, Chicago.—Physiology. (II.) A.B., University of Rochester, 1933.
Kirch, Ernst Rudolf, Chicago.—Bacteriology. (S.I.II.) Ph.C., 1928; B.S., Loyola University, 1931; M.S., University of Chicago, 1933.
Klein, Alfred Joseph, Chicago.—Surgery. (I.II.) B.S., 1934.
Kleitsch, William Philip, Chicago.—Surgery. (I.II.) B.S., 1934.
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Kramp, Edgar Herman, Forest Park.—Dental Therapeutics. (II.) B.S., D.D.S., 1929, 1931.
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Lack, Herbert, Chicago.—Medical Psychology. (II.)
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Lambert, Edward Howard, Berwyn.—Physiology. (II.)
Lawson, Edwin Harvey, Chicago.—Bacteriology. (S.I.II.) B.S., University of Chicago, 1932; B.S., 1934.
Levan, Arthur Bernard, Chicago.—Pathology. (I.II.) B.S., 1934.
Levin, Jack, Chicago.—Physiology. (II.) Ph.C., 1933.
Levin, Myron Jame, Chicago.—Bacteriology. (S.I.II.) B.S., 1935.
Levine, Edward, Chicago.—Pathology. (II.) B.S., 1935.
Levine, Julius, Chicago.—Bacteriology (I.) B.S., M.S., 1933, 1934.
Levy, Herman Arthur, Chicago.—Medicine. (S.I.II.) B.S., M.D., Loyola University, 1930, 1932.
Lichtenstein, Ben William, Chicago.—Neuropathology. (II.) B.S., M.D., 1930, 1933.
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Sosson, Edward, Chicago.—Physiological Chemistry. (II.)
Spangler, Charles David, Chicago.—Bacteriology. (I.II.) B.S., Armour Institute of Technology, 1934.
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Stastny, John Wallace, Oak Park.—Pathology. (I.) B.S., University of Chicago, 1930.
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Stoecker, George Charles, Chicago.—Pharmacology. (I.) A.B., St. Norbert College, 1934.

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Ury, Boris, Chicago.—Physiology. (I.II.) B.S., University of Chicago, 1935.

Vicher, Edward Ernest, Berwyn.—Bacteriology. (I.II.) B.S., 1935.

Von Asch, George Frederick, Chicago.—Physiological Chemistry. (II.).

Wach, Edward Charles, Chicago.—Physiological Chemistry. (I.II.) Ph.G., D.D.S., 1907, 1923.

Wade, Chester, Chicago.—Psychiatry. (S.) B.S., 1934.

Walsh, William Stanley, Elmwood Park.—Bacteriology. (I.II.) B.S., 1935.

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Weiner, Harry Ida, Chicago.—Pathology. (I.II.) B.S., 1935.

Weiss, Emil, Chicago.—Bacteriology. (I.II.) M.D., University of Prague, 1919.

Whitcomb, Frances Creekmur, Chicago.—Bacteriology. (S.I.II.) B.S., University of Chicago, 1918.

Williamson, Ben Kay, Rock Island.—Obstetrics. (I.II.) B.S., St. Ambrose College, 1933.

Winer, Allen E., Chicago.—Pediatrics. (II.) B.S., 1935.

Wolff, John Robert, Chicago.—Obstetrics. (II.) M.D., Northwestern University, 1931.

Woodward, Helen, Washington, D.C.—Physiological Chemistry. (I.) B.S., George Washington University, 1926; M.S., Iowa State College, 1929.

Zeldes, Mary, Galesburg.—Pathology. (I.II.) A.B., Knox College, 1932.

Zimont, Raymond Dumont, Chicago.—Bacteriology. (S.I.II.) B.S., 1934.

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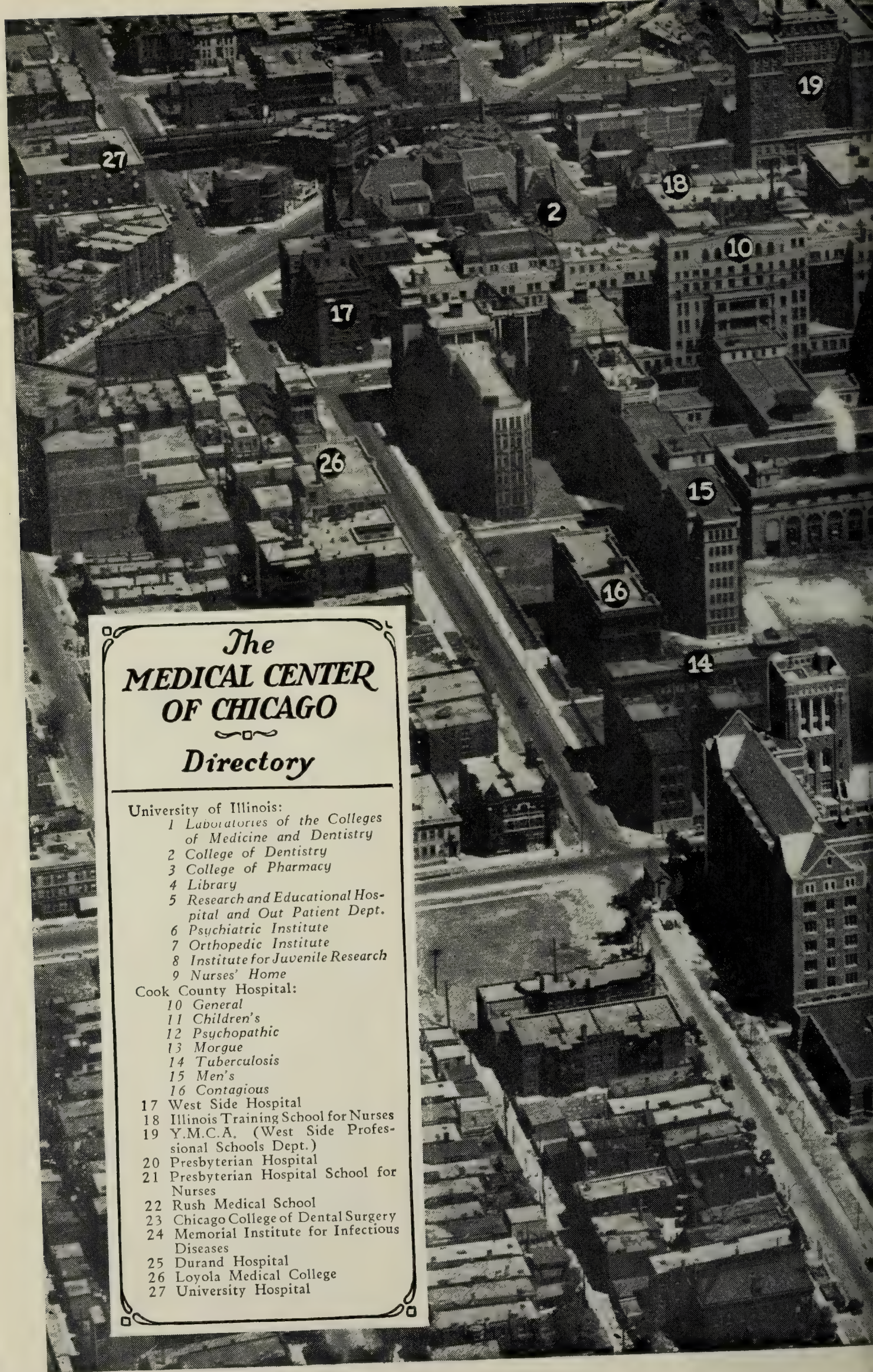

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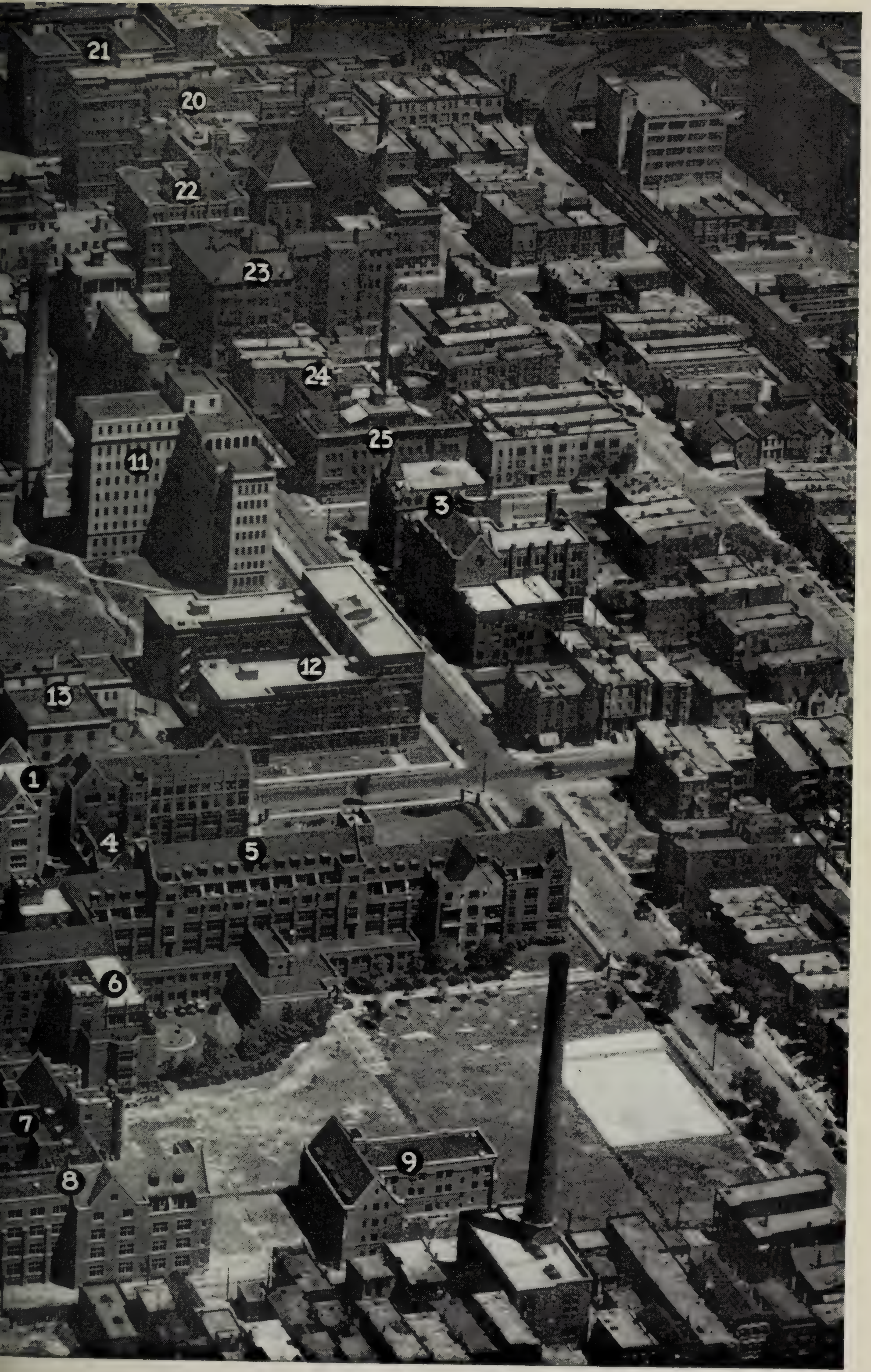
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COLLEGE OF MEDICINE

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First Semester

1937	
Sept. 13-18, Monday-Saturday	Second-year comprehensive examinations.
Sept. 20-25, Monday-Saturday	Special examinations.
Sept. 27, Monday, 8 A.M. to 5 P.M.	Registration and payment of fees.
Sept. 28, Tuesday, 8 A.M.	Instruction begun.
Nov. 25, Thursday	Thanksgiving Day.
Dec. 18, Saturday, 5 P.M.	Holiday recess begun.
1938	
Jan. 3, Monday, 8 A.M.	Instruction resumed.
Jan. 31-Feb. 5, Monday-Saturday	Semester examinations.

Second Semester

Feb. 7, Monday, 8 A.M. to 5 P.M.	Registration and payment of fees.
Feb. 8, Tuesday, 8 A.M.	Instruction begun.
April 14, Thursday, 6 P.M.	Easter recess begun.
April 18, Monday, 8 A.M.	Instruction resumed.
May 23-28, Monday-Saturday	Second-year and fourth-year comprehensive examinations.
May 30, Monday	Memorial Day.
May 31-June 4, Tuesday-Saturday	First-year and third-year final examinations.
June 9, Thursday	Class day and alumni meeting.
June 10, Friday	Commencement exercises.

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(For alphabetic index, see page 16)

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BENJAMIN GOLDBERG, M.D., *Associate Professor of Medicine*
GEORGE WASHINGTON POST, JR., A.M., M.D., *Associate Professor of Surgery*
ANDREW WILSON BROWN, Ph.D., *Associate Professor of Criminology, Social Hygiene, and Medical Jurisprudence, and Associate Professor of Psychology*
ELLIS BENJAMIN FREILICH, M.D., *Associate Professor of Medicine*
VINCENT JOHN O'CONOR, B.S., M.D., *Associate Professor of Urology*
SAMUEL PERLSTEIN, M.D., *Associate Professor of Medicine*
SAMUEL AZOR LEVINSON, M.S., M.D., *Associate Professor of Pathology, Assistant Professor of Medicine, and Director of the Hospital Laboratory*
OSCAR EUGENE NADEAU, B.S., M.D., *Associate Professor of Surgery*
ALEXANDER JOHN NEDZEL, M.D., M.S., *Associate Professor of Bacteriology and Public Health*
OTTO SAPHIR, M.D., *Associate Professor of Pathology*
ARNOLD ALBERT ZIMMERMANN, D.Sc., *Associate Professor of Anatomy*
MAX SAMUEL WIEN, B.S., M.D., *Associate Professor of Dermatology*
ROLAND PARKS MACKAY, A.B., M.D., *Associate Professor of Psychiatry*
GEORGE JOSEPH MOHR, B.S., M.D., *Associate Professor of Juvenile Behavior*
ARRIE BAMBERGER, B.S., M.D., *Associate Professor of Surgery*
ARTHUR REUBEN COOPER, Ph.D., M.D., *Associate Professor of Anatomy*
RUSSELL DORR HERROLD, B.S., M.D., *Associate Professor of Surgery*
THOMAS SMITH JONES, B.F.A., *Associate Professor of Medical and Dental Illustration*
JOHN DOUGLAS KOUCKY, M.S., M.D., *Associate Professor of Surgery*
FRANK B. LUSK, A.M., M.D., *Associate Professor of Medicine*
SELIM WALKER MCARTHUR, Ph.B., M.D., *Associate Professor of Surgery*
ROBERT BRUCE MALCOLM, M.S., M.D., *Associate Professor of Surgery*
HENRY GEORGE PONCHER, B.S., M.D., *Associate Professor of Pediatrics*
CARLOS ISAAC REED, Ph.D., *Associate Professor of Physiology*
LINDON SEED, M.S., M.D., *Associate Professor of Surgery*
LEROY HENDRICK SLOAN, B.S., M.D., *Associate Professor of Medicine*
GERHARDT VON BONIN, M.D., *Associate Professor of Anatomy*
GÉZA DE TAKATS, M.D., M.Surg., *Associate Professor of Surgery*

Assistant Professors

JOHN MICHAEL LANG, M.D., *Assistant Professor of Obstetrics and Gynecology*
LESTER EDWARD BOWER, A.B., M.D., *Assistant Professor of Pediatrics*
ISADORE BERNHARD DIAMOND, M.D., *Assistant Professor of Psychiatry and Neurology*
WALTER CHARLES HAMMOND, M.D., *Assistant Professor of Obstetrics and Gynecology*
FRANK LEE STONE, M.D., *Assistant Professor of Obstetrics and Gynecology*
FRANK JOSEPH JIRKA, M.D., *Assistant Professor of Surgery*
FRANKLIN SAMUEL WILSON, Ph.G., M.D., *Assistant Professor of Medicine*
ALVAH LEWIS SAWYER,[1] B.S., M.D., *Assistant Professor of Medicine*

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[1] On leave of absence. [2] Beginning September 1, 1937.

JOSEPH KAISER CALVIN, B.S., M.D., *Assistant Professor of Pediatrics*
JOHN BAPTIST CIPRIANI, M.D., *Assistant Professor of Medicine*
EDMUND FOLEY, B.S., M.D., *Assistant Professor of Medicine*
ABRAHAM FAE LASH, M.D., Ph.D., *Assistant Professor of Obstetrics and Gynecology*
DUANE WILLARD PROPST, A.B., B.S., M.D., *Assistant Professor of Medicine*
PHILIP ROSENBLUM, M.D., *Assistant Professor of Pediatrics*
ALBERT VANDER KLOOT, M.D., *Assistant Professor of Medicine*
DAVID MORTIMER OLKON, A.M., M.D., *Assistant Professor of Psychiatry and Neurology*
FRANK GEORGE MURPHY, B.S., M.D., *Assistant Professor of Orthopaedics*
MRS. CARROLL LA FLEUR BIRCH, M.S., M.D., *Assistant Professor of Medicine*
WILLIAM HARCOURT BROWNE, B.S., M.D., *Assistant Professor of Obstetrics and Gynecology*
ARTHUR GIDEON COLE, Ph.D., *Assistant Professor of Physiological Chemistry*
MAX LYON FOLK, M.D., *Assistant Professor of Ophthalmology*
RALPH AUGUST KORDENAT, M.S., M.D., *Assistant Professor of Surgery*
ABRAHAM ADOLPH LOW, M.D., *Assistant Professor of Psychiatry*
JACOB MORTON MORA, B.S., M.D., *Assistant Professor of Surgery*
CHARLES NEWBERGER, B.S., M.D., *Assistant Professor of Obstetrics and Gynecology*
HIRAM JASON SMITH, M.D., *Assistant Professor of Ophthalmology*
MICHAEL HENRY STREICHER, M.S., M.D., *Assistant Professor of Medicine*
ROY GILMORE BARRICK, M.D., M.H.D., *Assistant Professor of Criminology*
ROBERT LELON LADD, M.S., M.D., *Assistant Professor of Pathology*
JOHN JOSEPH THEOBALD, B.S., M.D., *Assistant Professor of Laryngology, Rhinology, and Otology*
WALTER HENRY THEOBALD, B.S., M.D., *Assistant Professor of Laryngology, Rhinology, and Otology*
FREDERICK WILLIAM HARK, M.S., M.D., *Assistant Professor of Orthopaedics*
HUGO OTTO DEUSS, B.S., M.D., *Assistant Professor of Medicine*
YNGVE JORANSON, A.B., B.S., M.D., *Assistant Professor of Anatomy*
ISIDORE A. RABENS, M.S., M.D., *Assistant Professor of Medicine*
THOMAS GORDON HULL, Ph.D., *Assistant Professor of Bacteriology and Public Health*
GEORGE MILLES, Ph.G., M.S., M.D., *Assistant Professor of Pathology*
EUGENE CONSTANTINE PIETTE, M.D., *Assistant Professor of Pathology*
CHARLES BERNARD PUESTOW, M.D., Ph.D., *Assistant Professor of Surgery*
ALFRED P. SOLOMON, A.B., M.D., *Assistant Professor of Psychiatry*
RICHARD LOCKWOOD WEBB, Ph.D., *Assistant Professor of Anatomy*
RICHARD LEOS JENKINS, A.B., M.D., *Assistant Professor of Physiology and of Juvenile Behavior*
P. JOSEPH SARMA, M.S., M.D., *Assistant Professor of Surgery*
WILL FERSON LYON, A.B., M.D., *Assistant Professor of Surgery*
DANIEL HAROLD LEVINTHAL, M.D., *Assistant Professor of Orthopaedics*
THEODORE CORNBLEET, B.S., M.D., *Assistant Professor of Dermatology*
WILLIAM HENRY HAZLETT, M.D., *Assistant Professor of Surgery*
WILLARD VAN HAZEL, A.B., M.D., *Assistant Professor of Surgery*
GUSTAV LEOPOLD ZECHEL, M.D., *Assistant Professor of Anatomy, and Associate in Surgery*
JULIUS LEO SPIVACK, M.D., *Assistant Professor of Surgery*
I. PAT BRONSTEIN, B.S., M.D., *Assistant Professor of Pediatrics*
MAXWELL GITELSON, B.S., M.D., *Assistant Professor of Criminology, Social Hygiene, and Medical Jurisprudence*
RUDOLPH JUSTUS EMANUEL ODEN, A.B., M.D., *Assistant Professor of Surgery*
BERNARD PORTIS, M.D., Ph.D., *Assistant Professor of Surgery*
LOUIS WILLIAM SCHULTZ, B.S., D.D.S., M.D., *Assistant Professor of Surgery*
PARKE HARVEY SIMER, Ph.D., *Assistant Professor of Anatomy*

Associates

SOLOMON MAXWELL GOLDBERGER, M.D., *Associate in Pediatrics*
JOSEPH GREENGARD, B.S., M.D., *Associate in Pediatrics*
BENJAMIN ZION RAPPAPORT, M.S., M.D., *Associate in Medicine*
IRIS MCKY CHAMBERLAIN, M.D., *Associate in Pediatrics*
GEORGE SHAYNIN LIVINGSTON, M.S., M.D., *Associate in Laryngology, Rhinology, and Otology*

Louis Sender Robins, B.S., M.D., *Associate in Pediatrics*
Virgil Ray Stephens, M.S., M.D., *Associate in Surgery*
Paul Leon Ewing, M.S., *Associate in Pharmacology, Materia Medica, and Therapeutics*
Ernest A. Bredlau, M.D., *Associate in Laryngology, Rhinology, and Otology*
Moses Goldwasser, M.D., *Associate in Medicine*
Minas Joannides, M.S., M.D., *Associate in Surgery*
Milton Henry Kronenberg, B.S., M.D., *Associate in Bacteriology and Public Health*
Thomas Paine Saltiel, B.S., M.D., *Associate in Pediatrics*
Walter William Dalitsch, B.S., D.D.S., M.D., *Associate in Medicine and Health Officer*
Louis Feldman, B.S., M.D., *Associate in Medicine*
Samuel I. Kaufman, M.D., *Associate in Ophthalmology*
Dietrich Klemptner, M.D., *Associate in Medicine*
Leon Wade Martin, Ph.C., M.D., *Associate in Obstetrics and Gynecology*
Samuel Cushing Beach, M.D., *Associate in Bacteriology and Public Health*
Noah Fox, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
Richard A. Lifvendahl, B.S., M.D., *Associate in Obstetrics and Gynecology*
Benjamin Morris Gasul, B.S., M.D., *Associate in Pediatrics*
Samuel Julian Hoffman, B.S., M.D., *Associate in Pediatrics*
Harry Leichenger, B.S., M.D., *Associate in Pediatrics*
Tell Nelson, B.S., M.D., *Associate in Medicine*
Saul S. Soloway, B.S., M.D., *Associate in Medicine*
Israel Becker, B.S., M.D., *Associate in Medicine*
Fred Temple Burling, B.S., M.D., *Associate in Criminology, Social Hygiene, and Medical Jurisprudence*
Marcus Rayner Caro, B.S., M.D., *Associate in Dermatology*
Earl Ernst Ewert,[1] B.S., M.D., *Associate in Surgery*
Philip Allen Halper, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
William A. Marshall, B.S., M.D., *Associate in Orthopaedics*
Herbert Rattner, M.D., *Associate in Dermatology*
Russell Adams Scott,[2] A.B., M.D., *Associate in Obstetrics and Gynecology*
Sherman Lawrence Shapiro, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
Perry Julius Melnick, M.D., Ph.D., *Associate in Pathology*
Nobel Gustaf Johnson, A.B., J.D., *Associate in Medical Jurisprudence*
Robbie Neeley Brunner, M.D., *Associate in Anaesthesia*
Claude Needham Lambert, A.B., M.D., *Associate in Orthopaedics*
Thomas M. French, A.B., M.D., *Associate in Criminology, Social Hygiene, and Medical Jurisprudence*
Jerry Joseph Kearns, B.S., M.D., *Associate in Pathology*
Alfred Julian Kobak, M.S., M.D., *Associate in Obstetrics and Gynecology*
Benjamin Harold Neiman, B.S., M.D., *Associate in Pathology*
Minnie Oboler Perlstein, B.S., M.D., *Associate in Dermatology*
Carlo Salvadore Scuderi, B.S., M.D., *Associate in Surgery*
Max T. Bolotin, B.S., M.D., *Associate in Medicine*
Benjamin Franklin Croutch, M.D., *Associate in Surgery*
Carl Apple, B.S., M.D., *Associate in Ophthalmology*
William S. Boikan, M.S., M.D., *Associate in Medicine*
James Wilson Clark, B.S., M.D., *Associate in Ophthalmology*
Ford Kimmel Hick, M.D., Ph.D., *Associate in Medicine*
Clarence A. Johnson, Ph.D., *Associate in Physiological Chemistry*
Samuel Kaplan, M.S., M.D., *Associate in Obstetrics and Gynecology*
Samuel Henry Kraines, B.S., M.D., *Associate in Psychiatry*
Harold Irving Meyer, M.S., M.D., *Associate in Surgery*
Oscar Benjamin Ragins, B.S., M.D., *Associate in Medicine*
Paul Winston Smith, Ph.D., *Associate in Physiology*
Emil James Stein, M.D., *Associate in Surgery, and Instructor in Anatomy*
Henry Oscar Wernicke, A.B., M.D., *Associate in Surgery*
Victor Levine, B.S., M.D., *Associate in Pathology*
Harold Charles Lueth, M.D., Ph.D., *Associate in Medicine*
Catherine Virginia Fisher, Ph.D., *Associate in Bacteriology and Public Health*
Raymond Green, B.S., M.D., *Associate in Surgery*

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[1] Resignation effective April 1, 1937.
[2] Resignation effective April 15, 1937.

The Main Laboratory Building of the Colleges of Medicine and Dentistry

The Campus Viewed from the Southeast, With the Research and Educational Hospital in the Foreground

HAROLD HERRIN HILL,[1] B.S., M.D., *Associate in Obstetrics and Gynecology*
ABRAHAM RISEL HOLLENDER, M.D., *Associate in Laryngology, Rhinology, and Otology*
ROBERT PRESTON MACFATE, Ch.E., M.S., *Associate in Pathology and Assistant Director of the Hospital Laboratory*
HERBERT ELI MCDANIELS, M.S., *Associate in Bacteriology and Public Health*
SOL ROY ROSENTHAL, M.D., Ph.D., *Associate in Bacteriology and Public Health*
IRWIN G. SPIESMAN, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
MILTON JOSEPH SUMMERVILLE, A.B., M.D., *Associate in Obstetrics and Gynecology*
OLIVER EDWARD VAN ALYEA, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
EMIL WEISS, M.D., Ph.D., *Associate in Bacteriology and Public Health*
STANISLAUS ANDREW SZUREK, M.S., M.D., *Associate in Psychiatry*
WINSTON HARRIS TUCKER, Ph.D., M.D., *Associate in Public Health*
CHESTER WILLIAM DARROW,[2] Ph.D., *Associate in Physiology*

Lecturers

ELMER DE WITT BROTHERS,[3] B.S., LL.B., *Lecturer in Medical Jurisprudence,* Emeritus
CLARENCE WEINERT MUEHLBERGER, Ph.D., *Lecturer in Toxicology*
WARREN GARFIELD MURRAY, M.D., *Lecturer in Criminology, Social Hygiene, and Medical Jurisprudence*
MAJOR HENRY WORTHINGTON, M.D., *Lecturer in Hospital Organization and Administration*
RODNEY HOWE BRANDON, *Lecturer in Criminology, Social Hygiene, and Medical Jurisprudence*

Instructors

MAURICE JOSEPH ROSE, B.S., M.D., *Instructor in Obstetrics and Gynecology*
WALTER RATHFON FISCHER, B.S., M.D., *Instructor in Orthopaedics*
BENJAMIN MORDECAI LEVIN, B.S., M.D., *Instructor in Pediatrics*
NORBERT PAUKER, B.S., M.D., *Instructor in Pediatrics*
JOSEPH WALKON PLATIN, M.D., *Instructor in Urology*
LOUIS JOSEPH HALPERN, B.S., M.D., *Instructor in Pediatrics*
ALFONS R. BACON, B.S., M.D., *Instructor in Obstetrics and Gynecology*
ABE LOUIS AARONSON, M.S., M.D., *Instructor in Medicine*
MAT BLOOMFIELD, B.S., M.D., *Instructor in Obstetrics and Gynecology*
PERCY JOSEPH DE LANO, B.S., M.D., *Instructor in Surgery*
JOHN ANTHONY SULDANE, M.D., *Instructor in Pediatrics*
MARION HOOD, Ph.D., *Instructor in Medicine*
LOUIS N. BOELIO, B.S., M.D., *Instructor in Anatomy*
MAX ELEAGER FISCH, M.S., M.D., *Instructor in Anatomy and in Medicine*
HENRY R. KRASNOW, M.D., *Instructor in Dermatology*
CARL OSCAR GOTFRIED ALMQUIST, B.S., M.D., *Instructor in Surgery*
JANE ROSE MCLAUGHLIN, A.B., R.N., *Instructor in Obstetrics and Gynecology*
ARTHUR JETHRO COOMBS, A.B., M.D., *Instructor in Laryngology, Rhinology, and Otology*
JOHN W. HARNED, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
EARLE RUPERT PACE, A.B., M.D., *Instructor in Dermatology*
MELVIN LOUIS AFREMOW, M.S., M.D., *Instructor in Medicine*
MYRTLE BARBARA CRUDIM, B.S., M.D., *Instructor in Medicine*
GEORGE EDWARD DE TRANA, B.S., M.D., *Instructor in Medicine*
HYMEN WILLIAM GOLUB, B.S., M.D., *Instructor in Medicine*
EUGENE GROSZ, M.D., *Instructor in Medicine*
JULIUS A. GURVEY, B.S., M.D., *Instructor in Medicine*
BENJAMIN PEARLMAN, B.S., M.D., *Instructor in Medicine*
HERMAN LOUIS MISHKIN, B.S., M.D., *Instructor in Surgery, and Assistant in Anatomy*
SAMUEL MORDECAI MORWITZ, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
CHARLES OTIS SMITH, A.B., B.S., M.D., *Instructor in Obstetrics and Gynecology*
SAMUEL PELUSE, B.S., M.D., *Instructor in Medicine and in Surgery*
COLQUITT OTIS RITCH, B.S., M.D., *Instructor in Surgery*
PHILIP FREDERIC SCHNEIDER, M.D., *Instructor in Obstetrics and Gynecology*

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[1] Resignation effective December 1, 1936.
[2] Beginning January 1, 1937.
[3] Deceased April 6, 1937.

REUBEN ISADORE KLEIN, M.S., M.D., *Instructor in Pathology and in Pediatrics*
NOAH DANIEL FABRICANT, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
HENRY CHASKELL SCHORR, B.S., M.D., *Instructor in Dermatology*
WILLIAM KENNETH FORD, M.D., *Instructor in Dermatology*
ALEX BENJAMIN RAGINS, M.S., M.D., *Instructor in Pathology*
CARROLL W. STUART, D.D.S., M.S., M.D., *Instructor in Bacteriology and Public Health*
DAVID MANSOWIT, B.S., M.D., *Instructor in Pediatrics*
JACOB WARREN FISCHER, B.S., M.D., *Instructor in Medicine*
MRS. BEULAH CHAMBERLAIN BOSSELMAN, A.B., M.D., *Instructor in Psychiatry*
MRS. IRENE CASE SHERMAN, Ph.D., M.D., *Instructor in Psychiatry*
LEO E. AMTMAN, B.S., M.D., *Instructor in Medicine*
RICHARD MILTON DAVISON, M.D., M.S., *Instructor in Surgery*
JOHN CHARLES MCMILLAN, JR., B.S., M.D., *Instructor in Medicine*
ROY OTIS RISER, B.S., M.D., *Instructor in Opthalmology*
GEORGE FIELDING HIBBERT, B.S., M.D., *Instructor in Obstetrics and Gynecology*
EUGENE LESTER BAKER, B.S., M.D., *Instructor in Surgery*
RALPH HENRY KUHNS, B.S., M.D., *Instructor in Psychiatry*
FOSTER LAMONT MCMILLAN, B.S., M.D., *Instructor in Surgery*
GUY V. PONTIUS, B.S., M.D., *Instructor in Surgery*
JOSEPH CYRUS RHEINGOLD, M.D., M.S., *Instructor in Psychiatry*
PAUL CHESTER BEAVER, Ph.D., *Instructor in Pathology*
MARION CECILE CORRIGAN, B.S., M.D., *Instructor in Pathology*
CECIL DAVID BROWN, B.S., M.D., *Instructor in Surgery*
IRVING DREYER, M.S., M.D., *Instructor in Medicine and in Pathology*
JOHN TALBOT GERNON, B.S., M.D., *Instructor in Urology*
EDWARD J. HORICK, B.S., M.D., *Instructor in Ophthalmology*
JOHN STEWART HOWE, A.B., M.D., *Instructor in Pathology*
RAYMOND CLIFFORD INGRAHAM, Ph.D., *Instructor in Physiology*
ROBERT MOORE JONES, A.B., M.D., *Instructor in Medicine*
AARON B. KENDRICK, Ph.D., *Instructor in Medicine*
LOUIS ROBERT LIMARZI, B.S., M.D., *Instructor in Medicine*
LEO FREDERICK MILLER, B.S., M.D., *Instructor in Orthopaedics*
EMANUEL PADNOS, B.S., M.D., *Instructor in Pediatrics*
MAHLON PHELPS PALMER, A.B., M.D., *Instructor in Laryngology, Rhinology, and Otology*
EDWIN WILLIAM PASSARELLI, B.S., M.D., *Instructor in Medicine*
HAROLD SHELLOW, B.S., M.D., *Instructor in Dermatology*
HENRY ABRAHAM SIEGAL, B.S., M.D., *Instructor in Medicine*
FREDERICK STEIGMANN, B.S., M.D., *Instructor in Medicine*
HAROLD CARL STRUCK, Ph.D., *Instructor in Physiology*
CLARA DEBORAH TIGAY, A.B., M.D., *Instructor in Pediatrics*
ARTHUR ABRAHAM HALEVY, M.D., *Instructor in Surgery*
ROBERT HENRY KREHBIEL, Ph.D., *Instructor in Anatomy*
MARVIN GEORGE FLANNERY, A.B., B.S., M.D., *Instructor in Surgery*
EPHRAIM FRANK GOODMAN, B.S., M.D., *Instructor in Surgery*
LOUIS WILLARD SHABAT, A.B., B.S., M.D., *Instructor in Surgery*
DAVID HOWARD WAGNER, M.D., M.S., *Instructor in Surgery*
WILLIAM CARL BECK, A.B., B.M., M.D., *Instructor in Surgery*
SYLVIO AMEDEO SCIARRETTA, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
NELL TREVA PATTENGALE, B.S., M.D., *Instructor in Radium Therapy*
LOUIS GOODMAN, M.D., *Instructor in Pathology*
DAVID SMEATON JAFFRAY, B.S., M.D., *Instructor in Surgery*
LEO CLIFFORD CLOWES, A.B., M.D., *Instructor in Surgery*
SAMUEL HERBERT RICHMAN, M.D., *Instructor in Roentgenology*
MARIE LOUISE CONNELLY, A.B., B.S., M.D., *Instructor in Roentgenology*
JOHN EUGENE LOTSPIECH, B.S., M.D., *Instructor in Surgery*
SAMUEL B. BRODER, M.D., M.S., *Instructor in Psychiatry*
HENRY PICKETT DORMAN, M.D., Ph.D., *Instructor in Medicine*
PAUL HENRY HOLINGER, M.S., M.D., *Instructor in Bronchoscopy*
LOUIS DAVID JOSEPH, M.D., *Instructor in Surgery*
HAROLD LEO KLAWANS, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*

EMANUEL ALOYSIUS KOMINIK, B.S., M.D., *Instructor in Bacteriology and Public Health*
BEN WILLIAM LICHTENSTEIN, M.D., M.S., *Instructor in Psychiatry*
VERNE WESLEY LYON, M.S., *Instructor in Criminology, Social Hygiene, and Medical Jurisprudence*
SAMUEL HENRY ROSENBLUM, B.S., M.D., *Instructor in Medicine*
SAMUEL RUBIN RUBERT, B.S., M.D., *Instructor in Roentgenology*
MARVIN SUKOV, A.B., M.D., *Instructor in Criminology, Social Hygiene, and Medical Jurisprudence*
THEODORE JOHN WACHOWSKI, B.S., M.D., *Instructor in Roentgenology*
JOHN ROBERT WOLFF, M.D., *Instructor in Obstetrics and Gynecology*
HOWARD ZEITLIN,[1] M.S., M.D., *Instructor in Pathology and in Neurology*
G. HOWARD GOWEN, M.D., M.S., *Instructor in Public Health*
EDWARD EDGAR PARK SEIDMON, Ph.G., M.S., M.D., *Instructor in Bacteriology and Public Health*
WILLIAM STANLEY TIMBLIN, B.S., M.D., *Instructor in Medicine*
SIDNEY OLDER LEVINSON, B.S., M.D., *Instructor in Pediatrics*
ROBERT MARSHALL STEPHAN, D.D.S., M.S., *Instructor in Physiological Chemistry*
AARON LEARNER,[2] M.D., M.S., *Instructor in Pathology, Bacteriology, and Public Health*
ALICE CHILDS,[3] B.S., M.D., *Instructor in Medicine*

Assistants

SAMUEL JACOB BURROWS, M.D., *Assistant in Anatomy*
MORRIS LOUIS PARKER, B.S., M.D., *Assistant in Surgery*
HERMAN J. PILKA, B.S., M.D., *Assistant in Anatomy*
JACOB PASKIND, M.D., *Assistant in Psychiatry*
ADELINE RAWSON WHITE, B.S., M.D., *Assistant in Anatomy,* Retired
FRANCES AGNES BRIGGS, M.S., *Assistant in Physiological Chemistry*
MRS. ISABELLE CLARK DORRELL, B.S., *Assistant in the Hospital Laboratory*
CECIL CLAUDE HARVEY, M.S., *Assistant in Physiological Chemistry*
JOHN A. HIGGINS, D.D.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
MILO EDWARD VACIN, M.D., *Assistant in Anatomy*
MRS. HELEN WOODWARD WADE, M.S., *Research Assistant in Pediatrics*
VIRGIL ARNETT GANT, M.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
DAVID CHARLES SIMON, B.S., M.D., *Assistant in Medicine*
MAURICE SCHNEIDER, M.D., *Assistant in Pediatrics*
FREDERICK WILLIAM SCHACHT, M.S., M.D., *Assistant in Urology*
JOHN MICHAEL BENEDETTO, B.S., M.D., *Assistant in Medicine*
PHILIP MONTGOMERY LAW, M.D., *Assistant in Medicine*
MRS. RUDLA BURNS RIND, B.S., M.D., *Assistant in Medicine*
MORRIS AARON KAPLAN, M.S., M.D., *Assistant in Medicine*
EVERETT ARTHUR GRIMMER, D.D.S., *Assistant in Dental Surgery*
SOL M. ABELSON, B.S., M.D., *Assistant in Pediatrics*
JACOB JOSEPH BARATZ, B.S., M.D., *Assistant in Pediatrics*
ROOSEVELT BROOKS, M.D., *Assistant in Ophthalmology*
JOSEPHINE MARION DYNIEWICZ, Ph.G., Ph.C., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
GEORGE WILLIAM MARQUARDT, D.D.S., *Assistant in Oral Surgery*
GEORGE HENRY REZEK, A.B., M.D., *Assistant in Obstetrics and Gynecology*
JOHN TODD REYNOLDS, M.S., M.D., *Assistant and First Junior Resident in Surgery*
ISADORE ELIHU STECK, M.S., M.D., *Assistant in Physiology*
HOMER VERNON WILBURN, A.B., M.D., *Assistant in Medicine*
HENRY A. GREENEBAUM, B.S., M.D., *Assistant in Medicine*
HAROLD MARK HOOVER, B.S., M.D., *Assistant in Medicine*
CLAIR MARTIN CAREY, B.S., M.D., *Assistant in Obstetrics and Gynecology*
EUGENE JOHN ROONEY, M.D., *Assistant in Medicine*
MILTON CHARLES SCHELL, M.D., *Assistant in Medicine*

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[1] On leave of absence. [2] Beginning November 1, 1936. [3] Beginning February 19, 1937.

SAMUEL IRWIN DITKOWSKY, B.S., M.D., *Assistant in Medicine*
HOWARD JACK LE VINE, B.S., M.D., *Assistant in Medicine*
WILLIAM HOWARD NEWTON, B.S., M.D., *Assistant in Medicine*
ABRAHAM HAPPY RUDOLPH, B.S., M.D., *Assistant in Medicine*
EDWARD CHARLES BERNELL, M.S., M.D., *Assistant in Obstetrics and Gynecology*
MILTON MITCHELL MOSKO, B.S., M.D., *Assistant in Medicine*
HORACE EDWARD TURNER, B.S., M.D., *Assistant in Medicine*
FRED JOHN ROOS, M.D., *Assistant in Obstetrics and Gynecology*
MRS. MARGARET EUGENIE MILLIKEN, M.S., *Assistant in Pathology*
SAMUEL JULIAN NICHAMIN, A.B., M.D., *Assistant in Pediatrics*
HOWARD MATTHEW JACOBS, B.S., M.D., *Assistant in Pediatrics*
BRUNO BLUMKLOTZ, M.D., *Assistant in Laryngology, Rhinology, and Otology*
HERMAN ABRAHAM LEVY, B.S., M.D., *Assistant in Medicine*
PHILIP THOREK, B.S., M.D., *Assistant in Anatomy and in Surgery*
ALBERT NEHF, B.S., M.D., *Assistant in Anatomy*
HERSHEL MEYER, B.S., M.D., *Assistant in Medicine*
JOHN D. SINGER, B.S., M.D., *Assistant in Medicine*
IRVING KAUFMAN, M.S., M.D., *Assistant in Medicine*
THOMAS JOSEPH CONLEY, B.S., M.D., *Assistant in Medicine*
EWIND WALTER DAHL, B.S., *Assistant in Pathology*
LOUIS LEONARD FIORITO, B.S., M.D., *Assistant in Medicine*
OLIVE MARION GEIS, B.S., *Assistant in the Hospital Laboratory*
ARTHUR VALENTINE BERGQUIST, B.S., M.D., *Assistant in Anatomy*
FRANK BENSON DEARDORFF, B.S., M.D., *Assistant and Resident in Obstetrics and Gynecology*
ROBERT EDWARD DYER, B.S., M.D., *Assistant in Anatomy*
SAMUEL GERO SEINFELD, M.D., *Assistant in Anatomy*
EDWARD STUART BAXTER, B.S., M.D., *Assistant in Pediatrics*
ELLIS BONNELL, M.D., *Assistant and Senior Resident in Psychiatry*
WESLEY AXEL GUSTAFSON, M.D., *Assistant and Senior Resident in Surgery*
RUDOLPH HECHT, M.S., M.D., *Assistant in Medicine*
JOSEPH STAGMAN, M.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
PERCIVAL LE MON CLARK, JR., M.S., M.D., *Assistant in Obstetrics and Gynecology*
NELL HIRSCHBERG, A.M., *Assistant in Bacteriology and Public Health*
HERMAN CHARLES MASON, M.S., *Assistant in Bacteriology and Public Health*
NORMAN SHURE, B.S., M.D., *Assistant in Medicine*
ARTHUR RUDOLPH WEIHE, B.S., M.D., *Assistant in Anatomy*
MRS. VIRGINIA LOUISE BRACHVOGEL,[1] B.S., *Assistant in the Hospital Laboratory*
NORMAN A. WIEN, B.S., M.D., *Assistant in Medicine*
HENRY S. CAMBRIDGE, B.S., M.D., *Assistant in Surgery*
RICHARD REDNER RALL,[2] B.S., M.D., *Assistant in Surgery*
LESTER ALLEN RISKIND, B.S., M.D., *Assistant in Surgery*
WILLIAM ALLISON BOICE, A.B., M.D., *Assistant in Obstetrics and Gynecology*
GEORGE CHARLES COE, B.S., M.D., *Assistant in Medicine*
EMANUEL JOSHUA FEINHANDLER, B.S., M.D., *Assistant in Medicine*
VINCENT CHARLES FREDA, B.S., M.D., *Assistant in Obstetrics and Gynecology*
WILLIAM FRANCIS JACOBS, A.B., B.S., M.D., *Assistant in Medicine*
ISRAEL IRVING RITTER, B.S., M.D., *Assistant in Medicine*
MITCHELL ABRAHAM SPELLBERG, B.S., M.D., *Assistant in Medicine*
CHARLES THEODORE POULSON, B.S., M.D., *Assistant in Medicine*
LOUIS MARK STEINER, B.S., M.D., *Assistant in Surgery*
EDWARD J. BOMZE, B.S., M.D., *Assistant in Obstetrics and Gynecology*
HAROLD JESSE CAWTHORNE, A.B., M.D., *Assistant in Laryngology, Rhinology, and Otology*
MRS. JANET THAYER CONWAY, M.S., M.D., *Assistant in Obstetrics and Gynecology*
JOSEPH STEPHEN DRABANSKI, B.S., M.D., *Assistant in Urology*
JOSEPH DAVIS FARRINGTON, A.B., M.D., *Assistant in Anatomy*
LOUIS ZOLO FISHMAN,[3] B.S., M.D., *Assistant in Anatomy*

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[1] Resignation effective April 15, 1937. [2] Resignation effective April 1, 1937.
[3] Resignation effective November 20, 1936.

Zelma Lamb Herndon,[4] B.S., M.D., *Assistant in Obstetrics and Gynecology*
Earl Smith Leimbacher, A.B., M.D., *Assistant and Senior Resident in Orthopaedics*
William Harris Reals, M.D., *Assistant in Pediatrics*
Milton Morris Scheffler, B.S., M.D., *Assistant in Obstetrics and Gynecology*
Bernard Skorodin, B.S., M.D., *Assistant in Psychiatry*
Israel Ronald Sonenthal, B.S., M.D., *Assistant and Resident in Psychiatry*
LaVerne Myron Wallheiser, B.S., M.D., *Assistant in Obstetrics and Gynecology*
Paul William Carney,[5] M.D., *Assistant and Second Junior Resident in Surgery*
Louis Edidin, B.S., M.D., *Assistant in Medicine*
Frank Joseph Tesor, B.S., M.D., *Assistant and Out-Patient Resident in Obstetrics and Gynecology*
Iva Glene Murphy, A.B., M.D., *Assistant in Medicine*
Sidney Joseph Circle,[6] B.S., *Assistant in Pharmacology and Therapeutics*
Stanley J. Giryotas, B.S., M.D., *Assistant in Medicine*
Jacob Abraham Glassman, B.S., M.D., *Assistant in Anatomy*
Arthur Deo Klein, B.S., *Assistant in Physiology*
Axel Kristinius Olsen, M.S., B.M., *Assistant and Resident in Neurology and Neurological Surgery*
John Bernhard Roth, B.S., M.D., *Assistant in Medicine and in Anatomy*
John Gardner Tanner, M.S., *Assistant in Pharmacology and Therapeutics*
Morris Weiss, M.D., *Assistant in Medicine*
Gertrude Elizabeth Howe, B.S., *Assistant in Medicine*
John O'Donnell McCabe, B.S., M.D., *Assistant and First Junior Resident in Orthopaedics*
Oliver Earl Nelson,[7] B.S., M.D., *Assistant in Anatomy*
Edward C. Sahlstrom, D.D.S., *Assistant in Surgery*
James Emmett O'Malley, M.S., M.D., *Assistant in Medicine*
Raymond Elmer Sorensen, M.S., M.D., *Assistant in Surgery*
Harold D. Dykhuizen,[8] A.B., M.D., *Assistant in Surgery*
Herbert Harter Engelhard,[9] B.S., M.D., *Assistant in Obstetrics and Gynecology*
William Charles Ocasek,[10] M.D., *Assistant in Medicine*
Harold Xavian Rubin,[11] B.S., M.D., *Assistant in Medicine*
John William Wall,[12] B.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Maurice Kaplan,[13] B.S., M.D., *Assistant in Psychiatry*
Arthur Bernstein,[14] B.S., M.D., *Assistant in Medicine*
Joseph Charles Ehrlich,[15] B.S., M.D., *Assistant in Medicine*
Joseph Samuel Miller,[16] B.S., M.D., *Assistant in Neurology and Neurological Surgery*
Everett Lee Strohl,[17] M.D., M.S., *Assistant in Surgery*
Richard Arthur Matthies,[18] B.S., M.D., *Assistant in Surgery*
Harry Robert Schwartz,[19] B.S., M.D., *Assistant in Medicine*
Katheryn Elizabeth Buck,[20] M.S., *Assistant in the Hospital Laboratory*
Arthur Harry Levine,[21] B.S., M.D., *Assistant in Medicine*
Louis Arlington Terman,[22] B.S., M.D., *Assistant in Medicine*
Max Berg,[23] M.D., M.S., *Assistant in Pathology*
Irving Bernard Richter,[23] B.S., M.D., *Assistant in Pediatrics*

Librarians

Wilma Allene Troxel, A.M., *Librarian*
Margaret Mary Bates, *Assistant Librarian*

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[4] Resignation effective March 1, 1937.
[5] Resignation effective April 1, 1937.
[6] Resignation effective March 1, 1937.
[7] Resignation effective April 1, 1937.
[8] Beginning December 1, 1936.
[9] Beginning November 1, 1936.
[10] Beginning November 11, 1936.
[11] Beginning November 18, 1936.
[12] Beginning November 15, 1936.
[13] Beginning December 1, 1936.
[14] Beginning January 19, 1937.
[15] Beginning December 9, 1936.
[16] Beginning January 15, 1937.
[17] Beginning January 1, 1937.
[18] Beginning February 1, 1937.
[19] Beginning February 19, 1937.
[20] Beginning April 15, 1937.
[21] Beginning March 11, 1937.
[22] Beginning April 1, 1937.
[23] Beginning May 1, 1937.

INDEX TO NAMES OF MEMBERS OF THE FACULTY

Name	*Department*	*Rank*
Aaronson, Abe L.	Medicine	Instructor
Abelson, Sol M.	Pediatrics	Assistant
Afremow, Melvin L.	Medicine	Instructor
Almquist, Carl O. G.	Surgery	Instructor
Amtman, Leo E.	Medicine	Instructor
Apple, Carl	Ophthalmology	Associate
Arnold, Lloyd	Bacteriology, Public Health	Professor
Bachem, Albert	Physiology	Professor
Bacon, Alfons R.	Obstetrics, Gynecology	Instructor
Bacon, Charles S.	Obstetrics, Gynecology	Professor, *Emertius*
Baker, Eugene L.	Surgery	Instructor
Bamberger, Arrie	Surgery	Associate Professor
Baratz, Jacob J.	Pediatrics	Assistant
Barrick, Roy G.	Criminology	Assistant Professor
Baxter, Edward S.	Pediatrics	Assistant
Beach, Samuel C.	Bacteriology, Public Health	Associate
Beard, Hallard	Ophthalmology	Associate Professor
Beaver, Paul C.	Pathology	Instructor
Beck, Joseph C.	Otolaryngology	Associate Professor, *Emeritus*
Beck, William C.	Surgery	Instructor
Becker, Israel	Medicine	Associate
Benedetto, John M.	Medicine	Assistant
Berg, Max	Pathology	Assistant
Bergeim, Olaf	Physiological Chemistry	Associate Professor
Bergquist, Arthur V.	Anatomy	Assistant
Bernell, Edward C.	Obstetrics, Gynecology	Assistant
Bernstein, Arthur	Medicine	Assistant
Birch, Carroll L.	Medicine	Assistant Professor
Blatt, Maurice L.	Pediatrics	Professor
Bloomfield, Mat	Obstetrics, Gynecology	Instructor
Blumklotz, Bruno	Otolaryngology	Assistant
Boelio, Louis N.	Anatomy	Instructor
Boice, William A.	Obstetrics, Gynecology	Assistant
Boikan, William S.	Medicine	Associate
Bolotin, Max T.	Medicine	Associate
Bomze, Edward J.	Obstetrics, Gynecology	Assistant
Bonin, Gerhardt von	Anatomy	Associate Professor
Bonnell, Ellis	Psychiatry	Assistant
Bosselman, Beulah C.	Psychiatry	Instructor
Bower, Lester E.	Pediatrics	Assistant Professor
Brandon, Rodney H.	Criminology	Lecturer
Bredlau, Ernest A.	Otolaryngology	Associate
Briggs, Frances A.	Physiological Chemistry	Assistant
Broder, Samuel B.	Psychiatry	Instructor
Bronstein, I. Pat	Pediatrics	Assistant Professor
Brooks, Roosevelt	Ophthalmology	Assistant
Brown, Andrew W.	Criminology	Associate Professor
Brown, C. David	Surgery	Instructor
Browne, William H.	Obstetrics, Gynecology	Assistant Professor
Brunner, Robbie N.	Anaesthesia	Associate
Buck, Katheryn E.	Hospital Laboratory	Assistant
Burling, Fred T.	Criminology	Associate
Burrows, Samuel J.	Anatomy	Assistant
Byford, Henry T.	Obstetrics, Gynecology	Professor, *Emeritus*
Calvin, Joseph K.	Pediatrics	Assistant Professor
Cambridge, Henry S.	Surgery	Assistant
Camp, Walter J. R.	Pharmacology	Professor
Carey, Clair M.	Obstetrics, Gynecology	Assistant
Caro, Marcus R.	Dermatology	Associate
Cawthorne, Harold J.	Otolaryngology	Assistant
Chamberlain, Iris M.	Pediatrics	Associate

Name	*Department*	*Rank*
Chauvet, Frank	Medicine	Associate Professor
Childs, Alice	Medicine	Instructor
Cipriani, John B.	Medicine	Assistant Professor
Clark, James W.	Opthalmology	Associate
Clark, Percival L.	Obstetrics, Gynecology	Assistant
Clowes, Leo C.	Surgery	Instructor
Coe, George C.	Medicine	Assistant
Cole, Arthur G.	Physiological Chemistry	Assistant Professor
Cole, Warren H.	Surgery	Professor
Conley, Thomas J.	Medicine	Assistant
Connelly, Marie L.	Roentgenology	Instructor
Conway, Janet T.	Obstetrics, Gynecology	Assistant
Coombs, Arthur J.	Otolaryngology	Instructor
Cooper, Arthur R.	Anatomy	Associate Professor
Cornbleet, Theodore	Dermatology	Assistant Professor
Corrigan, Marion C.	Pathology	Instructor
Croutch, Benjamin F.	Surgery	Associate
Crudim, Myrtle B.	Medicine	Instructor
Dahl, Ewind W.	Bacteriology, Public Health	Assistant
Dalitsch, Walter W.	Medicine	Associate
Darrow, Chester W.	Physiology	Associate
Davis, David J.	Pathology	Dean and Professor
Davis, Haim I.	Psychiatry	Professor, *Emeritus*
Davison, Charles	Surgery	Professor, *Emeritus*
Davison, Richard M.	Surgery	Instructor
Deardorff, Frank B.	Obstetrics, Gynecology	Assistant
DeLano, Percy J.	Surgery	Instructor
DeTrana, George E.	Medicine	Instructor
Deuss, Hugo O.	Medicine	Assistant Professor
Diamond, Isadore B.	Neurology, Psychiatry	Assistant Professor
Ditkowsky, Samuel I.	Medicine	Assistant
Dorman, Henry P.	Medicine	Instructor
Dorrell, Isabelle C.	Hospital Laboratory	Assistant
Drabanski, Joseph S.	Surgery	Assistant
Dreyer, Irving	Medicine, Pathology	Instructor
Dyas, Frederick G.	Surgery	Professor
Dyer, Robert E.	Anatomy	Assistant
Dykhuizen, Harold D.	Surgery	Assistant
Dyniewicz, Josephine M.	Pharmacology	Assistant
Earle, Frank B.	Pediatrics	Professor, *Emeritus*
Edidin, Louis	Medicine	Assistant
Ehrlich, Joseph C.	Medicine	Assistant
Engelhard, Herbert H.	Obstetrics, Gynecology	Assistant
Ewing, Paul L.	Pharmacology	Associate
Fabricant, Noah D.	Otolaryngology	Instructor
Falls, Frederick H.	Obstetrics, Gynecology	Professor
Fantus, Bernard	Pharmacology	Professor
Farrington, Joseph D.	Anatomy	Assistant
Feinhandler, Emanuel J.	Medicine	Assistant
Feldman, Louis	Medicine	Associate
Findlay, Ephraim K.	Ophthalmology	Professor
Fiorito, Louis L.	Medicine	Assistant
Fisch, Max E.	Anatomy, Medicine	Instructor
Fischer, Jacob W.	Medicine	Instructor
Fischer, Walter R.	Orthopaedics	Instructor
Fisher, Catherine V.	Pathology, Bacteriology	Associate
Flannery, Marvin G.	Surgery	Instructor
Foley, Edmund	Medicine	Assistant Professor
Folk, Max L.	Ophthalmology	Assistant Professor
Ford, William K.	Dermatology	Instructor
Fox, Noah	Otolaryngology	Associate
Freda, Vincent C.	Obstetrics, Gynecology	Assistant
Freilich, Ellis B.	Medicine	Associate Professor

Name	*Department*	*Rank*
French, Thomas M.	Criminology	Associate
Gamble, William E.	Ophthalmology	Professor, *Emeritus*
Gant, Virgil A.	Pharmacology	Assistant
Gasul, Benjamin M.	Pediatrics	Associate
Geis, Olive M.	Hospital Laboratory	Assistant
Gellhorn, Ernst	Physiology	Professor
Gernon, John T.	Surgery	Instructor
Giryotas, Stanley J.	Medicine	Assistant
Gitelson, Maxwell	Criminology	Assistant Professor
Glassman, Jacob A.	Anatomy	Assistant
Goldberg, Benjamin	Medicine	Associate Professor
Goldberger, Solomon M.	Pediatrics	Associate
Goldwasser, Moses	Medicine	Associate
Golub, Hymen W.	Medicine	Instructor
Goodman, Ephraim F.	Surgery	Instructor
Goodman, Louis	Pathology	Instructor
Gowen, G. Howard	Public Health	Instructor
Green, Raymond	Surgery	Associate
Greenebaum, Henry A.	Medicine	Assistant
Greengard, Joseph	Pediatrics	Associate
Grimmer, Everett A.	Orthopaedics	Assistant
Grosz, Eugene	Medicine	Instructor
Gurvey, Julius	Medicine	Instructor
Gustafson, Wesley A.	Surgery	Assistant
Halevy, Arthur A.	Surgery	Instructor
Halper, Philip A.	Otolaryngology	Associate
Halpern, Louis J.	Pediatrics	Instructor
Hammond, Walter C.	Obstetrics, Gynecology	Assistant Professor
Hark, Frederick W.	Orthopaedics	Assistant Professor
Harned, John W.	Otolaryngology	Instructor
Harsha, William M.	Surgery	Professor, *Emeritus*
Hartung, Adolph	Roentgenology	Professor
Harvey, Cecil C.	Physiological Chemistry	Assistant
Hassin, George B.	Neurology	Professor
Hazlett, William H.	Surgery	Assistant Professor
Hecht, Rudolph	Medicine	Assistant
Herrold, Russell D.	Surgery	Associate Professor
Hess, Julius H.	Pediatrics	Professor
Hibbert, George F.	Obstetrics, Gynecology	Instructor
Hick, Ford K.	Medicine	Associate
Higgins, John A.	Pharmacology	Assistant
Hirschberg, Nell	Pathology, Bacteriology	Assistant
Hoffman, Samuel J.	Pediatrics	Associate
Holinger, Paul H.	Otolaryngology	Instructor
Hollender, Abraham R.	Otolaryngology	Associate
Hood, Marion	Medicine	Instructor
Hoover, Harold M.	Medicine	Assistant
Horick, Edward J.	Ophthalmology	Instructor
Howe, Gertrude E.	Medicine	Assistant
Howe, John S.	Pathology	Instructor
Hull, Thomas G.	Bacteriology, Public Health	Assistant Professor
Humiston, Charles E.	Surgery	Professor, *Emeritus*
Ingraham, Raymond C.	Physiology	Instructor
Irish, Henry E.	Pediatrics	Professor
Jacobs, Howard M.	Pediatrics	Assistant
Jacobs, William F.	Medicine	Assistant
Jaffé, Richard H.	Pathology	Professor
Jaffray, David S.	Surgery	Instructor
Jenkins, Richard L.	Criminology, Physiology	Assistant Professor
Jirka, Frank J.	Surgery	Assistant Professor
Joannides, Minas	Surgery	Associate
Johnson, Clarence A.	Physiological Chemistry	Associate

Name	*Department*	*Rank*
Johnson, Nobel G.	Medical Jurisprudence	Associate
Jones, Robert M.	Medicine	Instructor
Jones, Thomas S.	Medical Illustration	Associate Professor
Joranson, Yngve	Anatomy	Assistant Professor
Joseph, Louis D.	Surgery	Instructor
Kampmeier, Otto F.	Anatomy	Professor
Kaplan, Maurice	Psychiatry	Assistant
Kaplan, Morris A.	Medicine	Assistant
Kaplan, Samuel	Obstetrics, Gynecology	Associate
Kaufman, Irving	Medicine	Assistant
Kaufman, Samuel I.	Ophthalmology	Associate
Kearns, Jerry J.	Pathology	Associate
Keeton, Robert W.	Medicine	Professor
Kendrick, Aaron B.	Medicine	Instructor
Klawans, Harold L.	Otolaryngology	Instructor
Klein, Arthur D.	Physiology	Assistant
Klein, Reuben I.	Pathology, Pediatrics	Instructor
Klemptner, Dietrich	Medicine	Associate
Kobak, Alfred J.	Obstetrics, Gynecology	Associate
Kominik, Emanuel A.	Bacteriology, Public Health	Instructor
Kordenat, Ralph A.	Surgery	Assistant Professor
Koucky, John D.	Surgery	Associate Professor
Kraines, Samuel H.	Psychiatry	Associate
Krasnow, Henry R.	Dermatology	Instructor
Krehbiel, Robert H.	Anatomy	Instructor
Kronenberg, Milton H.	Bacteriology, Public Health	Associate
Kuhns, Ralph H.	Psychiatry	Instructor
Ladd, Robert L.	Pathology	Assistant Professor
Lambert, Claude N.	Orthopaedics	Associate
Lang, John M.	Obstetrics, Gynecology	Assistant Professor
Lash, Abraham F.	Obstetrics, Gynecology	Assistant Professor
Law, Philip M.	Medicine	Assistant
Learner, Aaron	Pathology	Instructor
Lederer, Francis L.	Otolarnygology	Professor
Leichenger, Harry	Pediatrics	Associate
Leimbacher, Earl S.	Orthopaedics	Assistant
Levin, Benjamin M.	Pediatrics	Instructor
Levine, Arthur H.	Medicine	Assistant
LeVine, Howard J.	Medicine	Assistant
LeVine, Victor	Pathology	Associate
Levinson, Samuel A.	Pathology	Associate Professor
	Medicine	Assistant Professor
Levinson, Sidney O.	Pediatrics	Instructor
Levinthal, Daniel H.	Orthopaedics	Assistant Professor
Levy, Herman A.	Medicine	Assistant
Lewison, Maurice	Medicine	Professor
Lichtenstein, Ben W.	Psychiatry	Instructor
Lifvendahl, Richard A.	Obstetrics, Gynecology	Associate
Limarzi, Louis R.	Medicine	Instructor
Livingston, George S.	Otolaryngology	Associate
Lotspiech, John E.	Surgery	Instructor
Low, Abraham A.	Psychiatry	Assistant Professor
Lueth, Harold C.	Medicine	Associate
Lusk, Frank B.	Medicine	Associate Professor
Lyon, Verne W.	Criminology	Instructor
Lyon, Will F.	Surgery	Assistant Professor
MacFate, Robert P.	Pathology	Associate
Mackay, Roland P.	Psychiatry	Associate Professor
Malcolm, Robert B.	Surgery	Associate Professor
Mansowit, David	Pediatrics	Instructor
Marquardt, George W.	Surgery	Assistant
Marshall, William A.	Orthopaedics	Associate

Name	*Department*	*Rank*
Martin, Leon W.	Obstetrics, Gynecology	Associate
Mason, Herman C.	Bacteriology, Public Health	Assistant
Matthies, Richard A.	Surgery	Assistant
McArthur, Selim W.	Surgery	Associate Professor
McCabe, John O.	Orthopaedics	Assistant
McDaniels, Herbert E.	Bacteriology, Public Health	Associate
McGuigan, Hugh A.	Pharmacology	Professor
McKenna, Charles M.	Surgery	Professor
McLaughlin, Jane R.	Obstetrics, Gynecology	Instructor
McMillan, Foster L.	Surgery	Instructor
McMillan, J. Charles, Jr.	Medicine	Instructor
Melnick, Perry J.	Pathology	Associate
Mettler, Lee H.	Neurology	Professor, *Emeritus*
Meyer, Harold I.	Surgery	Associate
Meyer, Hershel	Medicine	Assistant
Meyer, Jacob	Medicine	Associate Professor
Miller, Joseph S.	Neurology	Assistant
Miller, Leo F.	Orthopaedics	Instructor
Milles, George	Pathology	Assistant Professor
Milliken, Margaret E.	Pathology	Assistant
Mishkin, Herman L.	Surgery Anatomy	Instructor Assistant
Mohr, George J.	Criminology	Associate Professor
Moore, Ernest S.	Medicine	Associate Professor, *Emeritus*
Mora, Jacob M.	Surgery	Assistant Professor
Morwitz, Samuel M.	Otolaryngology	Instructor
Mosko, Milton M.	Medicine	Assistant
Muehlberger, Clarence W.	Pharmacology	Lecturer
Murphy, Frank G.	Orthopaedics	Assistant Professor
Murphy, Iva G.	Medicine	Assistant
Murray, Warren G.	Criminology	Lecturer
Nadeau, Oscar E.	Surgery	Associate Professor
Nedzel, Alexander J.	Bacteriology, Public Health	Associate Professor
Nehf, Albert	Anatomy	Assistant
Neiman, Benjamin H.	Pathology	Associate
Nelson, Tell	Medicine	Associate
Newberger, Charles	Obstetrics, Gynecology	Assistant Professor
Newton, William H.	Medicine	Assistant
Nichamin, Samuel J.	Pediatrics	Assistant
Ocasek, William C.	Medicine	Assistant
O'Conor, Vincent J.	Surgery	Associate Professor
Oden, Rudolph J. E.	Surgery	Assistant Professor
Oldberg, Eric	Neurology	Professor
Olkon, David M.	Psychiatry, Neurology	Assistant Professor
Olsen, Axel K.	Neurology	Assistant
O'Malley, James E.	Medicine	Assistant
Pace, Earle R.	Dermatology	Instructor
Padnos, Emanuel	Pediatrics	Instructor
Palmer, Mahlon P.	Otolaryngology	Instructor
Parker, Morris L.	Surgery	Assistant
Paskind, Jacob	Psychiatry	Assistant
Passarelli, Edwin W.	Medicine	Instructor
Pattengale, Nell T.	Otolaryngology	Instructor
Pauker, Norbert	Pediatrics	Instructor
Pearlman, Benjamin	Medicine	Instructor
Peluse, Samuel	Medicine, Surgery	Instructor
Percy, Nelson M.	Surgery	Professor
Perlstein, Minnie O.	Dermatology	Associate
Perlstein, Samuel	Medicine	Associate Professor
Petersen, William F.	Pathology	Professor
Phifer, Charles H.	Surgery	Professor
Pierce, Norval H.	Otolaryngology	Professor, *Emeritus*

Name	*Department*	*Rank*
Piette, Eugene C.	Pathology	Assistant Professor
Pilka, Herman J.	Anatomy	Assistant
Pilot, Isadore	Medicine, Pathology	Associate Professor
Platin, Joseph W.	Surgery	Instructor
Poncher, Henry G.	Pediatrics	Associate Professor
Pontius, Guy V.	Surgery	Instructor
Portis, Bernard	Surgery	Assistant Professor
Post, George W.	Surgery	Associate Professor
Poulson, Charles T.	Medicine	Assistant
Propst, Duane W.	Medicine	Assistant Professor
Puestow, Charles B.	Surgery	Assistant Professor
Pusey, William A.	Dermatology	Professor, *Emeritus*
Rabens, Isidore A.	Medicine	Assistant Professor
Ragins, Alex B.	Pathology	Instructor
Ragins, Oscar B.	Medicine	Associate
Rappaport, Ben Z.	Medicine	Associate
Rattner, Herbert	Dermatology	Associate
Reals, William H.	Pediatrics	Assistant
Reed, Carlos I.	Physiology	Associate Professor
Reynolds, John T.	Surgery	Assistant
Rezek, George H.	Obstetrics, Gynecology	Assistant
Rheingold, Joseph C.	Psychiatry	Instructor
Richman, Samuel H.	Roentgenology	Instructor
Richter, Irving B.	Pediatrics	Assistant
Rind, Rudla B.	Medicine	Assistant
Riser, Roy O.	Ophthalmology	Instructor
Riskind, Lester A.	Surgery	Assistant
Ritch, Colquitt O.	Surgery	Instructor
Ritter, Israel I.	Medicine	Assistant
Robins, Louis S.	Pediatrics	Associate
Rooney, Eugene J.	Medicine	Assistant
Roos, Fred J.	Obstetrics, Gynecology	Assistant
Rose, Maurice J.	Obstetrics, Gynecology	Instructor
Rosenblum, Philip	Pediatrics	Assistant Professor
Rosenblum, Samuel H.	Medicine	Instructor
Rosenthal, Sol R.	Bacteriology, Public Health	Associate
Roth, John B.	Medicine, Anatomy	Assistant
Rubert, Samuel R.	Roentgenology	Instructor
Rubin, Harold X.	Medicine	Assistant
Rudolph, Abraham H.	Medicine	Assistant
Sahlstrom, Edward C.	Surgery	Assistant
Saltiel, Thomas P.	Pediatrics	Associate
Saphir, Otto	Pathology	Associate Professor
Sarma, P. Joseph	Surgery	Assistant Professor
Sawyer, Alvah L.	Medicine	Assistant Professor
Schacht, Frederick W.	Surgery	Assistant
Scheffler, Milton M.	Obstetrics, Gynecology	Assistant
Schell, Milton C.	Medicine	Assistant
Schneider, Maurice	Pediatrics	Assistant
Schneider, Philip F.	Obstetrics, Gynecology	Instructor
Schorr, Henry C.	Dermatology	Instructor
Schroeder, Paul L.	Criminology	Professor
Schultz, Louis	Surgery	Professor, *Emeritus*
Schultz, Louis W.	Surgery	Assistant Professor
Schwartz, Harry R.	Medicine	Assistant
Sciarretta, Sylvio A.	Otolaryngology	Instructor
Scuderi, Carlo S.	Surgery	Associate
Seed, Lindon	Surgery	Associate Professor
Seidmon, Edward E. P.	Bacteriology, Public Health	Instructor
Seinfeld, Samuel G.	Anatomy	Assistant
Senear, Francis E.	Dermatology	Professor
Shabat, Louis W.	Surgery	Instructor

Name	*Department*	*Rank*
Shapiro, Sherman L.	Otolaryngology	Associate
Shellow, Harold	Dermatology	Instructor
Sherman, Irene C.	Psychiatry	Instructor
Shure, Norman	Medicine	Assistant
Siegal, Henry A.	Medicine	Instructor
Simer, Parke H.	Anatomy	Assistant Professor
Simon, David C.	Medicine	Assistant
Singer, H. Douglas	Psychiatry	Professor
Singer, John D.	Medicine	Assistant
Skorodin, Bernard	Psychiatry	Assistant
Sloan, Leroy H.	Medicine	Associate Professor
Smith, C. Otis	Obstetrics, Gynecology	Instructor
Smith, Hiram J.	Ophthalmology	Assistant Professor
Smith, Paul W.	Physiology	Associate
Solomon, Alfred P.	Psychiatry	Assistant Professor
Soloway, Saul S.	Medicine	Associate
Sonenthal, Israel R.	Psychiatry	Assistant
Sorensen, Raymond E.	Surgery	Assistant
Spellberg, Mitchell A.	Medicine	Assistant
Spiesman, Irwin G.	Otolaryngology	Associate
Spivack, Julius L.	Surgery	Assistant Professor
Stagman, Joseph	Otolaryngology	Assistant
Steck, Isadore E.	Physiology	Assistant
Steigmann, Frederick	Medicine	Instructor
Stein, Emil J.	Surgery Anatomy	Associate Instructor
Steiner, Louis M.	Surgery	Assistant
Stephan, Robert M.	Physiological Chemistry	Instructor
Stephens, Virgil R.	Surgery	Associate
Stone, Frank L.	Obstetrics, Gynecology	Assistant Professor
Strauss, Sidney	Medicine	Professor
Streicher, Michael H.	Medicine	Assistant Professor
Strohl, Everett L.	Surgery	Assistant
Struck, Harold C.	Physiology	Instructor
Stuart, Carroll W.	Bacteriology, Public Health	Instructor
Sukov, Marvin	Criminology	Instructor
Suldane, John A.	Pediatrics	Instructor
Summerville, Milton J.	Obstetrics, Gynecology	Associate
Szurek, Stanislaus A.	Psychiatry	Associate
Takats, Géza de	Surgery	Associate Professor
Tanner, John G.	Pharmacology	Assistant
Tarnowsky, George de	Surgery	Professor
Terman, Louis A.	Medicine	Assistant
Tesor, Frank J.	Obstetrics, Gynecology	Assistant
Theobald, John J.	Otolaryngology	Assistant Professor
Theobald, Walter H.	Otolaryngology	Assistant Professor
Thomas, Henry B.	Orthopaedics	Professor
Thorek, Philip	Anatomy, Surgery	Assistant
Tice, Frederick	Medicine	Professor, *Emeritus*
Tigay, Clara D.	Pediatrics	Instructor
Timblin, William S.	Medicine	Instructor
Tucker, Winston H.	Public Health	Associate
Turner, Horace E.	Medicine	Assistant
Vacin, Milo E.	Anatomy	Assistant
Van Alyea, Oliver E.	Otolaryngology	Associate
Vander Kloot, Albert	Medicine	Assistant Professor
Van Hazel, Willard	Surgery	Assistant Professor
Wachowski, Theodore J.	Roentgenology	Instructor
Wade, Helen W.	Pediatrics	Research Assistant
Wagner, David H.	Surgery	Instructor
Wakerlin, George E.	Physiology	Professor
Wall, John W.	Otolaryngology	Assistant

Name	*Department*	*Rank*
Wallheiser, LaVerne M.	Obstetrics, Gynecology	Assistant
Webb, Richard L.	Anatomy	Assistant Professor
Weihe, Arthur R.	Anatomy	Assistant
Weiss, Emil	Bacteriology, Public Health	Associate
Weiss, Morris	Medicine	Assistant
Welker, William H.	Physiological Chemistry	Professor
Wernicke, Henry O.	Surgery	Associate
White, Adeline R.	Anatomy	Assistant, *Retired*
Wien, Max S.	Dermatology	Associate Professor
Wien, Norman A.	Medicine	Assistant
Wilburn, Homer V.	Medicine	Assistant
Wilson, Franklin S.	Medicine	Assistant Professor
Wolff, John R.	Obstetrics, Gynecology	Instructor
Wood, Casey A.	Ophthalmology	Professor, *Emeritus*
Woodward, Helen	Pediatrics	Research Assistant
Worthington, Major H.	Criminology	Lecturer
Yarros, Rachelle S.	Social Hygiene	Professor
Zechel, Gustav L.	Anatomy Surgery	Assistant Professor Associate
Zeitlin, Howard	Neurology, Pathology	Instructor
Zimmermann, Arnold A.	Anatomy	Associate Professor

THE COLLEGE OF MEDICINE

History

The College of Medicine opened its doors on October 14, 1881, as a proprietary medical school known as "The College of Physicians and Surgeons of Chicago." It first became affiliated with the University of Illinois in 1897, the name was officially changed in 1900 to "The College of Medicine of the University of Illinois," and in 1913 all the property and the stock of the old institution were transferred to the University.

Buildings

The first unit of the Medical and Dental College Laboratories Building, facing on Polk and Lincoln Streets, and connecting directly with the Research and Library Building on the north and with the Research and Educational Hospital on the south, has been in operation since 1931. A new unit, which will house the College of Dentistry and provide additional laboratory and research space for several departments of the College of Medicine, is under construction and should be ready for use by October, 1937. The new unit, facing on Polk and Wood Streets, will be connected directly with the first unit and also with the Research and Educational Hospital. The Library consists of two large reading rooms with more than 46,000 volumes and an extensive list of medical periodicals. Desk space is provided for persons interested in research. In addition to the large laboratories for class work, there are numerous small laboratories designed for individual research projects.

The Department of Public Welfare of the State of Illinois has constructed an extensive group of hospitals and laboratories adjoining the buildings of the University and has made a cooperative agreement by which additional facilities for teaching and investigation are afforded to the faculty of the College of Medicine. The units now in operation include the Research and Educational Hospital, the Out-Patient Dispensary, the Orthopaedic Institute, the Psychiatric Institute, and the Institute for Juvenile Research.

The Research and Educational Hospital, with provision for 400 beds, connects directly with the classrooms and laboratories and has been designed for teaching and investigation. The Out-Patient Dispensary, which occupies the main floor of this hospital, possesses adequate and comfortable waiting rooms, suitable suites for all divisions of clinical work, a large amphitheatre, electrocardiographic and hydrotherapeutic units, and rooms for preparing and dispensing drugs. The Dispensary is divided into twelve departments: medicine, surgery, urology, obstetrics, gynecology, pediatrics, orthopaedics, otolaryngology, dermatology, ophthalmology, neurology, and roentgenology. At present the number of treatments is limited to about 120,000 per year.

Active teaching is also being conducted at the present time in the following hospitals: the Cook County Hospital, the Municipal Contagious Hospital, the Augustana Hospital, the Michael Reese Hospital, and the St. Luke's Hospital.

Admission

Applications for admission must be made to the Examiner of the College of Medicine in Chicago. Credentials covering all college and high school work must be sent directly to the Examiner from each institution attended. No student who is on scholastic probation at, or who has been dropped for poor scholarship from, the last institution attended prior to seeking admission will be considered. The number of first-year students is restricted by space limitations.

Three-Year Requirements.—The following requirements for admission will go into full effect when the number of applicants who fulfill them equals the number that can be efficiently accommodated in the first-year class; but beginning in 1937 preference will be given to students who comply with them subject to the conditions as to residence, general scholastic standing, and a prior right of admission on the part of students who have completed the two-year pre-professional curriculum at Urbana and apply for transfer to the College of Medicine on or before the beginning of the academic year 1938-39.

1. Four years in an accredited high school or the equivalent, with not less than fifteen units of credit.

2. Not less than eighty-eight semester hours in a recognized college or university, exclusive of military, hygiene, and physical education. Each applicant, whether from the University of Illinois or from another institution, must have attained a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (*see note 1, below*). The eighty-eight semester hours must include the following:

	SEMESTER HOURS
Chemistry (including introductory courses and four hours in organic, three in quantitative, and three in physical chemistry), not less than	16
Physics (including laboratory work in mechanics, heat, sound, light, and electricity), not less than	8
Biology (including general and vertebrate zoology and general embryology), not less than	10
English, not less than	6
German or French (*see note 3, below*), not less than	6
Social sciences (including at least two of the following fields: anthropology, economics, history, philosophy, political science, psychology, and sociology), not less than	14
Electives to make a total of	88

The Dean and the Registrar may waive full compliance with the course specifications in the case of applicants possessing unusually high qualifications.

Two-Year Requirements.—Applicants who meet the following two-year requirements will be considered for admission under the conditions outlined below, provided the number of qualified three-year candidates does not fill the first-year class.

1. Four years of work in an accredited high school or the equivalent, comprising not fewer than fifteen units in acceptable subjects, including prescribed subjects as follows:

	UNITS
English	3
Algebra	1
Plane geometry	1
Latin, Greek, German, or French (both units in the same language)	2
History and civics	1
Electives	7
Total	15

2. Two years of work in a recognized college or university, comprising not less than sixty semester hours, exclusive of military, hygiene, and physical education. (By a *semester hour* is meant the work of a class meeting one hour once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.) Each applicant, whether from the University of Illinois, or from other institutions of recognized standing, must have attained in his pre-medical work a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (*see note 1, below*). In determining the scholastic average, grades received in military science, physical education, and hygiene will not be considered. The work must include prescribed and elective subjects as follows:

	SEMESTER HOURS
Chemistry (including four hours of organic chemistry)	12
Physics (at least two hours of laboratory work)	8
Zoology (at least four hours of laboratory work, *see note 2, below*)	8
English	6
German or French (*see note 3, below*)	6
Electives outside of the chemical, physical, and biological sciences (*see note 4, below*)	6
Free electives (*see note 4, below*)	14
Total	60

Note 1: Grades.—This rule is interpreted according to the number of passing grades. In a system of four passing grades, A, B, C, and D, the literal grades are translated into figures as

follows: A = 5; B = 4; C = 3; D = 2; E (failure) = 1. Where there are more or less than four passing grades, the computation is adjusted to make the same level of accomplishment apply. The individual grades are multiplied by the respective number of semester hours which each represents, and the sum of these products is divided by the total number of semester hours taken. In the case of courses which have been repeated, both grades earned will be counted in computing the average.

Note 2: Zoology.—Four of these eight semester hours must consist of laboratory work. This requirement must include a course in general zoology and one in vertebrate zoology. Botany is not accepted as meeting any part of the requirement.

Note 3: German, French.—The student is urged to secure a reading knowledge in one of these languages. This will ordinarily require at least six hours of work in the same language in college after two years in high school, or two full years of work (in a class reciting at least three periods a week) in college if the language was not begun in high school.

Note 4: Electives.—Psychology should be the first elective and Mathematics the second elective. Other electives may be chosen from the following: Botany, Chemistry (physical chemistry and quantitative analysis), Drawing, Economics, English, Greek, History, Latin, Logic, Political Science, Sociology, Zoology.

No Conditions Permitted.—The requirements for admission as stated above must be met in full before admission will be granted. No deficiencies are permitted.

Health Certificate.—Each applicant for admission, before he will be permitted to register, must present a certificate from his family physician indicating (a) good physical condition, (b) freedom from respiratory and dental infections, (c) successful vaccination against smallpox, and (d) Schick and Dick reactions. If a student is unable to show negative Shick and Dick reactions, he must report to the University Health Officer for immunization before registration for the second year.

Physical examinations during the first year are compulsory, and every effort is made by the Health Service of the College of Medicine to assist each student in solving his own health problems throughout his course.

Renewing Applications.—An applicant who has been granted admission to the College of Medicine but fails to enroll, and who wishes to enter in a subsequent year, must re-apply for admission and must meet all the requirements in force at the time of such new application.

Procedure for Students Who Have Completed Their Pre-Medical Work at the University of Illinois.—The seven-year medical curriculum offered by the University of Illinois consists of two years of pre-professional work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (for these four years a B.S. degree may be given), two years of clinical work in the College of Medicine in Chicago (for the four years in the College of Medicine the student at his option may receive the degree of Bachelor of Medicine), and one year as an interne in a hospital approved by the University. The registration of students at Urbana who have completed the requirements of the first two years of the medical curriculum (the pre-professional work) is continued in the College of Medicine. Students admitted to the pre-professional curriculum at Urbana who have taken any college work elsewhere will be considered for admission on the same basis as students from other institutions. Students who have completed the present two-year curriculum will continue to have priority provided they transfer to the College of Medicine on or before the beginning of the academic year 1938-39. After that date such priority will be based on the completion of the new three-year curriculum outlined below, provided that at least the second and third years of the pre-professional work have been completed at Urbana. Registration of students entitled to continue in the College of Medicine is subject to the following conditions:

1. The student who wishes thus to continue his work in the University must signify his intention to the Registrar, on a form provided by the Registrar, not later than March 1 of the year in which he proposes to continue his work in the College of Medicine in Chicago.
2. The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of a deposit of $15.00 within two weeks of the date of notification that he will be admitted. Failure to pay this deposit within the specified time will subject the applicant to forfeiture of his place. If he enters, the deposit will be applied on the fees of the first semester.
3. No student who is on probation in the University (or who has been dropped from the University for poor scholarship) at the time he seeks to continue his University registration in the College of Medicine, has any claim to precedence in registration over students who come with clear records from the University of Illinois or other institutions.
4. No student at Urbana will be permitted to transfer his registration to the College of Medicine while his record shows a deficiency in any of the subjects which, as general requirements of the University, are a part of his curriculum.
5. The registration of non-residents of Illinois can be continued in the College of Medicine only provided there is room after all properly qualified residents of the state have been accommodated.

Procedure for Students Who Have Completed Their Pre-Medical Work at Institutions Other Than the University of Illinois.—The order of admission to the College of Medicine of students who have completed their pre-medical work at institutions other than the University of Illinois shall be based upon their scholastic records; provided that the minimum scholastic average in all cases shall be equivalent to a 3.5 average in the University's grading system, as now required. The scholastic records of all such applicants shall be averaged on or about July 1, and the first-year class shall be filled by assigning to it applicants in the order of their scholastic standing, beginning with the highest ranking applicant; vacancies which may occur after all places in the class have been assigned may be filled from the remaining applicants in the order of their scholastic standing. Beginning in September, 1937, and thereafter preference will be given to students who comply with the new three-year requirements.

Preference to Illinois Residents.—In considering applications for admission, preference will be given to candidates who are residents of Illinois. Places in the first-year class shall be assigned to applicants from Cook County and to applicants from Illinois outside of Cook County in the proportion which each area bears to the total population of the state according to the latest federal census; provided that if at any time the quota from either area is not filled the remaining places may be assigned to applicants from the other area. On this basis at the present time approximately fifty per cent of the places in the first-year class will be assigned to applicants from Cook County and fifty per cent to applicants who are residents of Illinois outside of Cook County.

Courses Offered at Urbana

Attention is called to the fact that the University at Urbana offers the student his choice of the following combinations:

1. *A seven-year curriculum*—two years in a recognized college of liberal arts and sciences followed by five years in the College of Medicine. The work of the first two years must include certain prescribed subjects. On the completion of the first two years in the College of Medicine, students may receive the degree of Bachelor of Science; and on the completion of the five years in the College of Medicine, they receive the degree of Doctor of Medicine. This curriculum will meet the requirements for admission to the College of Medicine only for pre-medical students at Urbana who enter the College of Medicine in October, 1937, or October, 1938.

2. *An eight-year curriculum*—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts or Bachelor of Science. On the completion of the remaining four years in the College of Medicine they receive the degree of Doctor of Medicine.

3. *A nine-year curriculum*—four years in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts or Bachelor of Science, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to students who are of the average age of graduation from the public high schools.

Advanced Standing

Because of the limitations of space, the membership of each class is strictly limited. Applications for admission with advanced standing to any class will not be considered until vacancies are certain to occur. In case there are vacancies to be filled preference will be given to those applicants who are residents of Illinois and who present the strongest records.

In general, the administration cannot determine definitely whether there will be vacancies, or the number of vacancies, until the day of registration.

No student who is on probation at, or who has been dropped for any reason from, a college of medicine will be considered for admission.

Requirements for Graduation

For the Bachelor of Science Degree.—A student must have secured passing grades in all the courses of the first two years in the College of Medicine and have passed the comprehensive examinations required at the end of the second year.

For the Certificate in Medicine or the Bachelor of Medicine Degree.—Upon the completion of four years in attendance at an approved medical school, of which at least the last year must have been at the University of Illinois, the completion of the prescribed curriculum, and the passing of the comprehensive examinations required at the end of the fourth year, the student is awarded a Certificate in Medicine, or if he wishes to pay the additional fee of $10.00, he may elect to take the degree of Bachelor of Medicine.

For the Doctor of Medicine Degree.—To receive the degree of Doctor of Medicine, the student, after having qualified for the Certificate in Medicine (see preceding statement), must complete satisfactorily a course of not less than twelve months duration in a hospital approved by the University of Illinois,[1] or a year of research work acceptable to the University. He must also have shown evidence of good moral character and have paid all indebtedness to the University.

Graduation with Honors.—A student who complies with the requirements for graduation and who attains in all work presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated: for an average grade of not less than 87%, Graduation with Honors; for an average grade of not less than 90%, Graduation with High Honors. The honors conferred shall be noted upon the diploma and the Commencement program.

Plan of Instruction

The program of the student during his five years in the College of Medicine is arranged according to the following plan:

During the first two years the work is confined mainly to the fundamental sciences, and the time of the student is largely spent in the laboratory. During the first year he studies anatomy, histology, embryology, neurology, chemistry, and physiology. In the second year the study of physiology is continued, and in addition the student takes up bacteriology, pathology, laboratory diagnosis, pharmacology, physical diagnosis, and hygiene.

Throughout the first two years there is definite correlation between the clinical and the pre-clinical courses. A regular schedule of lectures by clinical instructors is followed in the courses in anatomy, physiology, and physiological chemistry, to give the student an understanding of the practical applications of the fundamentals which he is studying.

During the third and fourth years the time is devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics. In the dispensary the student examines the cases personally under the guidance of instructors. He is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has opportunity to follow and repeat these and to learn the technique involved.

Throughout the third year emphasis is laid on the acquisition of a thorough knowledge of clinical problems. There are didactic quiz courses in surgery, medicine, pediatrics, obstetrics, urology, orthopaedics, and otolaryngology. In addition to these didactic courses the students attend clinics in each field and spend a large amount of time in the dispensaries (surgery, otolaryngology, obstetrics, urology, and orthopaedics). They also spend a minimum of three hours per day for eight weeks in the wards of the Research and Educational Hospital, the Cook County Hospital, and the Michael Reese Hospital, learning the fundamentals of physical diagnosis and treatment.

In the fourth year the class is divided into two sections; the students in each section attend clinics and lectures during one semester and work in dispensaries and laboratories and on clinical clerkships during the other semester. Each student is required to spend two full weeks, living in quarters specified by the University, on call for twenty-four hours per day for the obstetrical out-patient service. During this clerkship two students are called for each delivery in the Research and Educational Hospital and to attend each delivery supervised through the out-patient service.

All students have experience in the following dispensaries in the fourth year: dermatology, gynecology, medicine, neurology, ophthalmology, pediatrics, and roentgenology. They also work in the general "Admitting Clinic" of the Research and Educational Hospital and spend three weeks in the laboratory, making the common

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[1] See Medical Practice Act of the State of Illinois, Senate Bill No. 439, approved June 30, 1923.

SUMMARY OF CLOCK HOURS—FIRST AND SECOND YEARS

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
FIRST YEAR					
Anatomy, Gross	40	128	40	112	320
Histology	24	72	12	36	144
Embryology	24	48	..	..	72
Neurology	..	..	24	48	72
Physiological Chemistry	32	64	32	64	192
Physiology	..	..	48	48	96
Total	120	312	156	308	896
SECOND YEAR					
Bacteriology	36	108	..	..	144
Hygiene	..	..	32	..	32
Medicine	16	..	..	..	16
Physical Diagnosis	..	..	16	32	48
Pathology, General	14	24	80	122	240
Pathology, Clinical	..	..	32	64	96
Pharmacology	32	96	48	32	208
Physiology	64	96	48	..	208
Surgery	..	..	16	..	16
Total	162	324	272	250	1008

SUMMARY OF CLOCK HOURS—THIRD AND FOURTH YEARS

Subjects	Lecture and Quiz	Laboratory	Clerkship	Dispensary	Clinic	Total
THIRD YEAR						
Anaesthesia	12	..	..	..	..	12
Anatomy, Topographic	32	32	..	..	..	64
Autopsies and Pathology	16	64	..	..	..	80
Criminology	16	..	..	..	..	16
Dermatology	32	..	..	..	..	32
Medicine	64	..	109[1]	..	80	253
Neurology	8	..	..	..	8	16
Obstetrics and Gynecology	64	16	24	24	16	144
Orthopaedics	16	..	..	24	24	64
Otolaryngology	48	..	..	24	..	72
Pediatrics	32	..	17	..	24	73
Psychiatry	16	..	..	..	..	16
Therapeutics	32	..	..	..	..	32
Surgery	64	..	34	48	80	226
Urology	16	..	..	24	..	40
Electives	64	..	..	..	..	64
Total	532	112	184	144	232	1204
FOURTH YEAR						
Anaesthesia	..	..	42[2]	..	..	42
Dermatology	..	..	..	12	32	44
Gynecology	40	..	7	32	32	111
Hygiene	32	..	..	..	..	32
Jurisprudence	16	..	..	..	..	16
Medicine	..	36	..	72	160	268
Neurology	..	..	..	24	48	72
Obstetrics	..	16	2 weeks[3]	..	32	48
Ophthalmology	16	..	18[5]	40	..	74
Orthopaedics	..	..	9	..	..	9
Otolaryngology	..	..	..	..	16	16
Pediatrics	..	..	36[4]	24	72	132
Psychiatry	12	..	10	..	12	34
Roentgenology	32	..	..	12	..	44
Surgery	..	..	..	..	152	152
Urology	..	..	..	..	16	16
Electives	176	..	..	..	..	176
Total	324	52	122	216	572	1286

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[1] This clerkship includes four weeks in general medicine, one week in tuberculosis, one week in pediatrics, and two weeks in surgery.

[2] Time divided about equally between operating room and work in surgery wards.

[3] On call full time, 24 hours per day.

[4] Municipal Contagious Hospital.

[5] To be supplanted by a clerkship in the Psychiatric Institute during the second semester.

practical tests for dispensary patients. Each student serves a one-week clerkship in the Municipal Contagious Hospital, observing and studying the common contagious diseases. Clerkships are also conducted in the Orthopaedic and Psychiatric Institutes.

In the third year the student must elect two hours per week in each semester. In the fourth year, five and one-half hours per week of elective work must be taken, at least one hour of which must be in surgery. This elective work of the third and fourth years may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular field. The elective work may be counted for graduate credit provided the student qualifies as required by the Graduate School.

The examinations at the end of the second and fourth years are of a comprehensive nature and may be either written or oral.

The fifth year consists of twelve months of interne service in a hospital approved by the University. During the fourth year the students apply to the hospitals in which they wish to serve as internes and, if successful, sign contracts for the service desired. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in any way with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the requirements of the curriculum.

Significance of Grades

The percentage system of grading is used, and 70% is the passing grade. Where it is necessary to translate percentage to literal grades the following values are used: "A," 92 to 100%; "B," 85 to 91%; "C," 75 to 84%; "D," 70 to 74%.

Admission to Licensing Examinations in England

The Royal College of Physicians and Surgeons added the University of Illinois to the list of universities whose medical departments are recognized by that Board. By this action graduates of this institution are exempt from all preliminary examinations and are admitted to the final licensing examination of the Examining Board.

Fees[1] and Expenses

	FIRST YEAR		SECOND YEAR[2]		THIRD YEAR		FOURTH YEAR[2]	
	Illinois	*Non-Ill.*	*Illinois*	*Non-Ill.*	*Illinois*	*Non-Ill.*	*Illinois*	*Non-Ill.*
Matriculation (paid but once)	$ 10.00	$ 10.00	$......	$......	$......	$......	$......	$......
Tuition	150.00	225.00	150.00	225.00	150.00	225.00	150.00	225.00
Laboratory	81.00	81.00	94.50	94.50	130.00	130.00	130.00	130.00
Total	$241.00	$316.00	$244.50	$319.50	$280.00	$355.00	$280.00	$355.00

Note: The above fees are for students entering in September, 1936, and thereafter. (For fees applicable to other students, see Circular for 1936-37.)

Late Registration Fee.—Former students who enter after the registration days pay a late registration fee of	$ 5.00
Special Examination Fee.—For any special examination a fee of	5.00
Change Fee.—For every change of study-list made later than the Saturday noon following registration, a fee of $1.00 is charged, except that the total charge for the rearrangement authorized on any one change-slip shall not exceed	2.00
(The above ruling applies to registration for electives after the dates specified for regular registration.)	
Transcript Fee.—Each student who has paid all his University fees is entitled to receive, without charge, one transcript of his record. For additional transcripts, charges are made as follows:	
For each original, or first, copy	1.00
For each carbon copy	.50
County Hospital Ticket.—Compulsory for third-year and fourth-year students	5.00

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[1] The Trustees reserve the right to change the fees at any time through publication in the annual announcement. Laboratory fees are subject to adjustment from year to year.

[2] Graduation fee of $10.00 is required, payable at the end of the second year by students receiving the B.S. degree, and at the end of the fourth year by students receiving the Certificate in Medicine. Payment for the latter covers the M.D. graduation fee. Students receiving the B.M. degree pay, at the end of the fourth year, two graduation fees of $10.00 each, one for the B.M. degree and one for the M.D. degree.

Obstetrical Out-Patient Clerkship Service Fee.—Required of all fourth-year students $15.00

Listener's or Visitor's Fee.—For each 25 clock hours, or fraction thereof:
Residents of Illinois pay 10.00
Non-residents of Illinois pay 20.00

Special Fees.—A number of the departments offer Special Courses for Physicians, and work is offered in Medical Illustration. See notations concerning fees under departmental listings of courses. Members of the staffs of the University of Illinois, the Research and Educational Hospitals, the Institute of Juvenile Research, the Cook County Hospital, and the Cook County Morgue are permitted to attend the lectures in these courses without paying the special fees. (No members of the instructional staff are allowed to accept special fees.)

Unclassified Students.—Fees charged unclassified students are based on the amount of work taken.

Payment of Deferred Fees.—In cases of necessity, students may arrange for deferment of fees by calling at the Business Office, Room 110, Medical and Dental College Laboratories Building.

A service charge of ten per cent of the amount of fees deferred, but not to exceed $3.00, will be charged for the privilege of deferring fees, and this charge *must be paid on Registration Day*. If the fees are paid in full within ten days from the date of registration, the service charge will be credited as a part-payment of fees. Otherwise, the service charge is not refundable under any circumstances. The matriculation fee of $10.00 (if not previously paid), not less than twenty-five per cent of the current semester fees, and other fees and outstanding charges, must be paid on Registration Day.

Failure to meet payments of fees within the time limits will cancel at once the privilege of attending classes.

Registration is not completed until fees are paid in full, and no credit will be recorded for class work completed unless all fees and all other charges have been paid in full. Deferred payment of fees delays the completion of registration but extends the privilege of attending classes pending payment of fees in full as described above.

Deposit.—An applicant for admission to the College of Medicine who is assigned a place in any class, is required to make a deposit of $15.00 within two weeks of the date of notification that he will be admitted. This deposit will be applied on fees, including laboratory fees, assessed against him during the first semester. Failure to pay this deposit within the specified time will subject the applicant to the forfeiture of his place. No deposit will be returned unless the applicant notifies the College of Medicine not later than September 1 that he will not be able to enter. The Registrar is authorized to make refunds after September 1 when, in his judgment, the circumstances so justify.

Refunds.—If a student withdraws from the University within ten days after the beginning of instruction, the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of one month, a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months, a refund of one-half of these fees will be made. After two months and before the expiration of three months, a refund of one-fourth of these fees will be made. After the expiration of three months, no part of the fees will be refunded.

Fees for Part-Time Students.—Effective for new students entering in September, 1936, and thereafter. (For partial fees applicable to other students, see Register for 1935-36.)

Residents of Illinois registered for partial programs pay fees as follows: In first-year and second-year courses, 25 cents per clock hour, plus regular laboratory fees in the courses for which the student registers. In third-year and fourth-year courses, 20 cents per clock hour, plus full laboratory fees and an additional 15 cents per clock hour for courses involving dispensary or infirmary.

Non-state students registered for partial programs pay one and one-half times the above stated clock hour fees, except for dispensary and infirmary.

In no case will a part-time student be assessed a larger fee than the regular fees for full-time work.

Alumni are admitted to all regular undergraduate courses without charges except in laboratory work in which a charge is made for material used.

Books, etc.—The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of textbooks. Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

Living Expenses.—The expenses of living in Chicago are less than in most large cities. From thirty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs. A ten-story Y.M.C.A. building located three blocks from the College affords a comfortable home for students.

Scholarships and Loan Funds

Rea Scholarships.—Through the generosity of the late Professor R. L. Rea, four scholarships each year, awarded by the officers of the faculty, are provided for worthy students. For the session of 1936-37, these scholarships were granted to the following students:

MAURICE DUNN
MARIE HAGELE
GEORGE POTTER
RUSSELL TRUMMEL

Theodore Shnitzer Memorial Scholarship.—An annual award of $100 has been made available to a needy Jewish student who ranks in the upper half of his class and who has completed at least one year in the College of Medicine. The scholarship is awarded by a committee of the faculty. In 1936 this scholarship was awarded to Herbert Lack; in 1937 to Robert Levy.

Charles Spencer Williamson Memorial Scholarship.—The faculty and other friends of the late Professor Williamson, for many years Head of the Department of Medicine, have established an endowment fund, the proceeds of which will become an annual scholarship for a capable and needy student, either graduate or undergraduate, the awards to be made by the Dean and the Head of the Department of Medicine.

Note.—Students holding the following undergraduate scholarships are exempt from matriculation and tuition fees, but are required to pay all laboratory and dispensary fees:

General Assembly Scholarships.—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships.—For World War Veterans. Special provisions passed by the General Assembly in 1919.

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

Loan Funds.—A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. For more detailed information, apply to the Business Office of the College of Medicine.

Lectureships

In commemoration of members of the alumni, faculty, and student body who lost their lives during the World War, the alumni, faculty, and students have raised a fund sufficient to establish a Memorial Lectureship. At least one lecture is delivered annually by a prominent educator on a subject of general medical interest.

In accordance with the will of Mrs. Albertina Gehrmann, widow of Dr. Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a lectureship in memory of Dr. Gehrmann. The twelfth series of these lectures was delivered in March, 1937, by Dr. Thomas Parran, Surgeon General, United States Public Health Service.

In 1927, when Dr. Charles S. Bacon, on reaching the retiring age, was made Professor of Obstetrics, *Emeritus,* members of the faculty and friends of Dr. Bacon contributed the sum of $5,000 to found the Charles S. Bacon Lectureship in Obstetrics. The income from this fund is used to defray expenses of lectures given each year at the College of Medicine. The seventh series of these lectures was delivered in October, 1936, by Dr. Frank W. Lynch, of the University of California.

The Chicago Tuberculosis Institute has granted to the College of Medicine $2,500 a year for a period of five years to establish a Theodore B. Sachs Residency in the field of tuberculosis and allied diseases.

Medical lectures and the meetings of the Research Club and Sigma Xi occupy the one o'clock hour each Wednesday of the school year.

Clinical conferences are held on each Thursday from 12:15 to 1:15 p.m., and pathological conferences each Friday from 1:00 to 2:00 p.m.

Prizes

The late Dr. Frank Smithies, of Chicago, endowed an annual prize in memory of William Beaumont, the famous surgeon of the nineteenth century who made valuable contributions to the knowledge of the digestive system. The prize is awarded by a committee appointed by the Dean of the College of Medicine to the student or faculty member of the College of Medicine who submits the best original work on diseases of the alimentary tract. The tenth award was made on June 5, 1936, to Dr. W. J. R. Camp.

COURSES OFFERED IN THE COLLEGE OF MEDICINE

Note: The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise stated, the Arabic numerals following the description of courses indicate the number of one-hour periods per week. The Roman numerals I and II indicate the semester in which the course is given.

ANATOMY

Professors: Kampmeier (Head of the Department).
Associate Professors: Zimmermann, Cooper, Von Bonin.
Assistant Professors: Joranson, Webb, Zechel, Simer.
Instructors: Stein, Boelio, Fisch, Krehbiel.
Assistants: Burrows, Pilka, White (Retired), Vacin, Fishman,[1] Thorek, Nehf, Mishkin, Bergquist, Dyer, Seinfeld, Weihe, Farrington, Glassman, Roth, Nelson.[2]

Required Courses—First Year

1-4. Human Anatomy.—To insure greater correlation and unity in presentation of the subject matter, the following major divisions are merged into a single course extending continuously throughout both semesters. Credit toward graduation is not allowed for either semester separately. The total time, 608 hours, is apportioned approximately as follows: histology, 144 hours; embryology, 72 hours; regional and systematic anatomy, 288 hours; neurology, 72 hours. One hour per week during the two semesters (32 hours total for the year) is set aside for introductory clinical demonstrations, presented by selected members of the several clinical departments, and designed to illustrate the application of anatomical knowledge in medical and surgical practice. Of the 336 anatomical hours in the first semester, and 272 in the second, approximately three-fourths of the time is given to laboratory work, and the remaining one-fourth to lectures, demonstrations, and quizzes. Professor Kampmeier and other members of the staff.

Required Courses—Third Year

30. Topographical Anatomy.—Redissection of the body, stressing the topography and relations of the various regions and organs, as displayed by incisions, window dissections, and transections; intimate correlation of subject matter with clinical conditions and procedure. I, (4). Assistant Professor Zechel and other members of the staff.

Elective Courses

50. Microscopical Technic.—Preparation of tissues for study; methods of maceration, decalcification, injection, corrosion, preservation, fixation, embedding, sectioning, staining, clearing, mounting, etc. One 2-hour period per week. I and II, (2). Registration limited. Dr. Boelio.

51. Anatomy of Fetus and Child.—Dissection of the fetus; consideration of problems of growth during prenatal and postnatal periods of life. Two 2-hour periods per week. I or II, (4). Registration limited. Associate Professor Zimmermann.

52. Comparative Neurology.—A comparative study of the morphology of the central nervous system, particularly of those animals in the phylogenetic line leading to man; a consideration also of related problems in comparative embryology, physiology, and psychology in their bearing on clinical neurology. Two 1-hour periods per week. I, (2). Associate Professor Von Bonin.

53. Preparations for Anatomical Museum.—The creation of special dissections, reconstructions, models, and demonstration specimens for the anatomical teaching collection requiring skill, ingenuity, neatness, and accuracy in execution. Two 2-hour periods per week. I and II, (4). Limited to two or three qualified students. Professor Kampmeier, Associate Professor Cooper, and other members of the staff.

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[1] Resignation effective November 20, 1936. [2] Resignation effective April 1, 1937.

54. PHYSICAL ANTHROPOLOGY.—Phylogeny of human races; anthropometry of living and skeletal material; anthropogeography; racial physiology and pathology; growth of populations and racial distributions of modern man; social anthropology; racial psychology and eugenics. Two 2-hour periods per week. I, (4). Associate Professor VON BONIN.

SEMINAR.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication; presentation and discussion of the results of investigations.

SPECIAL COURSES FOR PHYSICIANS

90. DISSECTION.—This course for physicians and surgeons provides for complete or partial dissection of the human cadaver. The length of time allotted depends on the subject matter to be covered, and on the laboratory space available. Special instruction is given only if four or more persons are taking the course at the same time, and if they arrange for such instruction. The fee is $100 and may be shared by two students. If only certain parts of the cadaver are dissected, the fee is proportionately less. (*Note:* Physicians and surgeons who are members of the staff of the College of Medicine have the privilege of dissection in the Department of Anatomy after payment of a fee covering the bare cost of the material.) Professor KAMPMEIER, Associate Professor COOPER.

COURSES FOR GRADUATE STUDENTS

101. ADVANCED ANATOMY.—The work may take the direction either of macroscopic or of microscopic anatomy, or of both, according to the student's major problem: in macroscopic anatomy, a detailed redissection of the human body, or any of its parts; in microscopic anatomy (embryology, cytology, histology, etc.), a consideration of morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. (Work in the laboratory for tissue culture in association with Assistant Professor ZECHEL). Course designed for students choosing anatomy as a minor, and for students preparing for individual research in anatomy. (*1 to 2 units*). Professor KAMPMEIER, Associate Professor VON BONIN.

103. INDIVIDUAL RESEARCH.—In embryology, cytology and histology, neurology, anthropology and biometrics, experimental morphology, functional and applied anatomy. (*1 to 3 units*). Professor KAMPMEIER, Associate Professor VON BONIN.

CRIMINOLOGY, SOCIAL HYGIENE, AND MEDICAL JURISPRUDENCE

Professors: SCHROEDER (Head of the Department), YARROS.
Associate Professors: BROWN, MOHR.
Assistant Professors: BARRICK, JENKINS,[1] GITELSON.
Associates: BURLING, JOHNSON, FRENCH.
Lecturers: BROTHERS[2] (Emeritus), MURRAY, WORTHINGTON, BRANDON.
Instructors: LYON, SUKOV.

REQUIRED COURSES—THIRD YEAR

10. PSYCHIATRY, CRIMINOLOGY, AND BEHAVIOR PROBLEMS.—Pathology and prevention of mental deficiency and delinquency. I and II, (1). Professor SCHROEDER and members of staff.

REQUIRED COURSES—FOURTH YEAR

50. MEDICAL JURISPRUDENCE.—Eight weeks, II, (1). Mr. JOHNSON.

51. MEDICAL SOCIOLOGY.—General outline of social hygiene, its program, and its relation to health and family welfare; responsibility of the physician as to the development of normal sex attitudes; prostitution as the largest contributing cause of venereal disease; modern attitudes toward prostitution. Eight weeks, II, (1). Professor YARROS.

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[1] On leave of absence. [2] Deceased April 6, 1937.

ELECTIVE COURSES—FOURTH YEAR

70. MENTAL HYGIENE.—Management of behavior difficulties in young children. Case presentation and discussion. Eight weeks, II, (1). Professor SCHROEDER and Dr. FRENCH.

71. MENTAL HYGIENE.—Mental hygiene of adolescence. Educational counsel and vocational guidance. Eight weeks, II, (1). Assistant Professor GITELSON.

72a. CLINICAL ADMINISTRATION OF BEHAVIOR PROBLEMS (JUVENILE).—Causes of juvenile delinquency; individualization in treatment, with attention to relationship of physician in court procedure. I, (1). Assistant Professor GITELSON.

72b. CLINICAL ADMINISTRATION OF BEHAVIOR PROBLEMS (ADULT).—Individualization in treatment of adult offenders. A study of personality and the determinants of deviations in behavior with respect to the relationships within the situation of the individual. Synthesis is attempted through a system of classification according to personality type, etiology, prognosis, and the indicated therapy. I, (1). Dr. BARRICK.

73. CRIMINAL IDENTIFICATION.—Application of physical structure and functions in identification of criminals. Eight weeks, I, (1). Dr. LYON.

74. HOSPITAL ORGANIZATION AND ADMINISTRATION.—Eight weeks, I, (1). Dr. WORTHINGTON.

75. INTRODUCTION TO PUBLIC WELFARE ADMINISTRATION.—Eight weeks, I, (1). Mr. BRANDON.

76. PSYCHOLOGY OF NEUROTIC BEHAVIOR.—Lectures and discussions. Brief outline of emotional development of the child. Case discussions illustrating the influence of disturbances in emotional development in causation of behavior problems of childhood, and of neuroses and criminal behavior in adult life. II, (1). Associate Professor MOHR, Dr. FRENCH.

SPECIAL COURSES FOR PHYSICIANS

90. LECTURES AND CONFERENCES.—The treatment of behavior problems in children is properly a function of the pediatrician and the general practitioner. This course is designed to meet the needs of the physician in the recognition and treatment of such problems. The course will consist of an organized program of case presentations followed by discussions, dealing with behavior disorders as a symptom of organic disease, the recognition and management of mental deficiency, problems of habit training (bed wetting, anorexia, etc.), behavior disorders due to unhealthy parent-child relationships, and delinquency. Eight evening meetings. Hours to be arranged. Fee, $10, except to members of the staff.

90a. CLINICAL COURSE.—*Prerequisite:* Course 90. (*Note:* Course 90 may be taken concurrently with 90a.) Analysis and treatment of behavior problems in children under supervision in the clinic of the Institute for Juvenile Research. Duration, four months. Six hours weekly to be arranged. Fee, $40.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN JUVENILE BEHAVIOR.—(*1 to 3 units*). Professor SCHROEDER.
102. ADVANCED WORK IN JUVENILE BEHAVIOR.—(*1 to 3 units*). Professor SCHROEDER.
103. SPECIAL ABILITIES AND DISABILITIES.—(*1 or 2 units*). Associate Professor BROWN.
104. PSYCHOLOGICAL TESTS.—(*1 or 2 units*). Associate Professor BROWN.
105. PSYCHOLOGY OF BEHAVIOR PROBLEMS.—(*1 or 2 units*). Associate Professor BROWN.
106. FIELD WORK IN CRIMINOLOGY.—(*1 to 3 units*). Professor SCHROEDER.

DERMATOLOGY

Professors: SENEAR (Head of the Department), PUSEY (Emeritus).
Associate Professors: WIEN.
Assistant Professors: CORNBLEET.
Associates: CARO, RATTNER, PERLSTEIN.
Instructors: KRASNOW, PACE, SCHORR, FORD, SHELLOW.
Cooperating: Professor BACHEM, Dr. FISHER.

REQUIRED COURSES—THIRD YEAR

10. DIDACTIC LECTURES ON SYPHILIS.—Lectures, lantern slides, and demonstrations. Continuous through I and II, (1). Professor SENEAR, Associate Professor WIEN.

REQUIRED COURSES—FOURTH YEAR

50. CLINIC.—Case demonstrations with patients from Research and Educational Hospital and Cook County Hospital. Continuous through I and II, (1). Professor SENEAR, Associate Professor WIEN.
51. DISPENSARY.—Including instruction in roentgenology. Six 2-hour periods for one week, I and II. Professors SENEAR and BACHEM, and other members of the staff.

ELECTIVE COURSES—FOURTH YEAR

70. SYPHILIS.—Diagnostic and therapeutic methods. Eight weeks, I and II, (1). Professor SENEAR, Associate Professor WIEN, Assistant Professor CORNBLEET.
71. DERMATOLOGY.—Special diagnostic and therapeutic methods. Eight weeks, I and II, (1). Professor SENEAR, Associate Professor WIEN, Assistant Professor CORNBLEET.
72. MYCOTIC DISEASES OF SKIN.—Clinical aspects, with laboratory study of methods of demonstration of fungi by direct and cultural procedures. Limited to 12 students. Eight weeks, II, (1). Professor SENEAR, Assistant Professor CORNBLEET, Dr. FISHER.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN DERMATOLOGY.—*(1 to 3 units)*. Professor SENEAR.

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

Professors: LEDERER (Head of the Department), PIERCE (Emeritus).
Associate Professors: BECK (Emeritus).
Assistant Professors: J. J. THEOBALD, W. H. THEOBALD.
Associates: LIVINGSTON, BREDLAU, FOX, HALPER, SHAPIRO, HOLLENDER, SPIESMAN, VAN ALYEA.
Instructors: COOMBS, HARNED, MORWITZ, FABRICANT, PALMER, SCIARRETTA, PATTENGALE,[1] HOLINGER,[2] KLAWANS.
Assistants: BLUMKLOTZ, STAGMAN, CAWTHORNE, WALL.

REQUIRED COURSES—THIRD YEAR

10. EAR, NOSE, AND ACCESSORY SINUSES.—Surgical anatomy, physiology, pathology, and treatment. I, (1). Professor LEDERER.
11. MOUTH, PHARYNX, AND LARYNX.—Surgical anatomy, applied pathology, and treatment. II, (1). Professor LEDERER.
12. CONFERENCE.—General survey of the field through the medium of quiz groups. I and II, (1). Dr. HOLLENDER, Dr. MORWITZ, Dr. SPIESMAN.
13. DISPENSARY.—Research Hospital. Three 2-hour periods per week. Four weeks, I and II. Professor LEDERER and other members of the staff.

REQUIRED COURSES—FOURTH YEAR

50. CLINICAL OTOLARYNGOLOGY.—Cases of interest are presented to illustrate the practical points in diagnosis. Indications for treatment and operation are discussed. Research Hospital. One 2-hour period per week. Eight weeks, I. Professor LEDERER, Assistant Professor J. J. THEOBALD, Dr. SHAPIRO, Dr. VAN ALYEA.

ELECTIVE COURSES—FOURTH YEAR

70. SEMINAR IN OTOLARYNGOLOGY.—Presentation and discussion of clinical cases; critical review of results of investigations and current literature. Weekly conferences. Professor LEDERER and other members of the staff.

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[1] Radium Therapy. [2] Bronchoscopy.

SPECIAL COURSES FOR PHYSICIANS

90. CLINICAL COURSE.—Primarily for post-graduates in otolaryngology. Designed to present standardized methods in diagnosis and the problems of treatment based upon the pathological findings of cases in the ambulatory clinics of the Research and Educational Hospital. Taking of case histories, methods of examinations, special anatomy (optional), gross pathology, and indications for treatment and operation are stressed. The work is done for the most part independently under proper supervision and direction. An effort is made to assist the students in some of the more difficult phases of their clinical work by practical demonstrations, which are also available for men already established in special practice. The course extends over a period of four months and for three periods a year. The fee for each period of four months is $100. Hours: 10:00 to 12:00 a.m. and 2:00 to 4:00 p.m., six days a week. Professor LEDERER and other members of the staff.
91. FUNCTIONAL TESTS OF THE EAR.—(a) Cochlear apparatus with special consideration of the use of tuning forks. (b) Vestibular apparatus with special reference to the caloric, rotatory, and galvanic tests. 10 hours. Minimum, two students. Fee, $25. Assistant Professor J. J. THEOBALD, Dr. SHAPIRO.
92. TUBERCULOSIS OF THE LARYNX.—Demonstration upon patients of typical aspects of the disease with exact description of differential diagnosis and methods of therapy. Municipal Tuberculosis Sanitarium. 10 hours. Limited to two students. Fee, $50. Professor LEDERER.
93. PHYSICAL THERAPEUTIC PROCEDURES IN OTOLARYNGOLOGY.—Indications and technical application of low-voltage and high-frequency currents, ionization, electrosurgery, and the medical uses of light, heat, and electricity in general. 12 hours. Limited to four students. Fee, $50. Dr. HOLLENDER.
94. HISTOPATHOLOGY OF THE EAR, NOSE, AND THROAT.—Study of gross and microscopic histology and pathology; laboratory technic. 20 hours. Limited to two students. Fee, $50. Professor LEDERER, Dr. FABRICANT.
95. BRONCHOSCOPY AND ESOPHAGOSCOPY.—Demonstration of methods of examination; indications and contraindications; manikin practice; technic of bronchography. Research Hospital. 12 hours. Limited to two students. Fee, $50. Dr. HOLINGER.
96. OTONEUROLOGY.—Vestibular apparatus in relation to labyrinthine disease, brain tumors, and head injuries. 10 hours. Limited to five students. Fee, $25. Dr. SHAPIRO.
97. SURGICAL ANATOMY AND SURGERY OF THE MASTOID.—Demonstration of specimens and technic of operation. Practice on the cadaver. 10 hours. Limited to two students. Fee, $50. Professor LEDERER.
98. (a) SURGICAL ANATOMY OF THE NOSE AND SINUSES. (b) CLINICAL ASPECTS OF SINUS DISEASE.—10 hours. Minimum registration, two students. Fee, $50. Dr. VAN ALYEA.

Note: Courses 91 to 98, inclusive, may be registered for individually or in groups, the time being arranged with the instructors. More hours may be arranged by consent of the instructors. Applicants must be graduates of a Class A medical school and present proper credentials acceptable to the chairman of the department for admission.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN LARYNGOLOGY, RHINOLOGY, AND OTOLOGY.—(*1 to 3 units*). Professor LEDERER.

MEDICINE

Professors: KEETON (Head of the Department), TICE (Emeritus), LEWISON, STRAUSS.

Associate Professors: CHAUVET, MOORE (Emeritus), MEYER, PILOT, GOLDBERG, FREILICH, PERLSTEIN, LUSK, SLOAN.

Assistant Professors: LEVINSON, WILSON, SAWYER,[1] CIPRIANI, FOLEY, PROPST, VANDERKLOOT, BIRCH, STREICHER, DEUSS, RABENS.

Associates: RAPPAPORT, GOLDWASSER, DALITSCH, FELDMAN, KLEMPTNER, NELSON, SOLOWAY, BECKER, BOLOTIN, BOIKAN, HICK, RAGINS, LUETH.

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[1] On leave of absence.

Instructors: AARONSON, HOOD, FISCH, AFREMOW, CRUDIM, DETRANA, GOLUB, GROSZ, GURVEY, PEARLMAN, PELUSE, FISCHER, AMTMAN, McMILLAN, DREYER, JONES, KENDRICK, LIMARZI, PASSARELLI, SIEGAL, STEIGMANN, DORMAN, ROSENBLUM, TIMBLIN, CHILDS.[3]

Assistants: SIMON, BENEDETTO, RIND, LAW, KAPLAN, WILBURN, GREENEBAUM, HOOVER, ROONEY, SCHELL, DITKOWSKY, LEVINE, NEWTON, RUDOLPH, MOSKO, TURNER, LEVY, H. MEYER, SINGER, KAUFMAN, CONLEY, FIORITO, HECHT, SHURE, WIEN, COE, FEINHANDLER, JACOBS, RITTER, SPELLBERG, POULSON, EDIDIN, MURPHY, GIRYOTAS, ROTH, WEISS, HOWE, O'MALLEY, OCASEK, RUBIN, BERNSTEIN,[2] EHRLICH,[4] SCHWARTZ,[3] LEVINE,[5] TERMAN.[6]

Cooperating: Professor CAMP.

REQUIRED COURSES—SECOND YEAR

1. PHYSICAL DIAGNOSIS.—Practical drill on normal subjects. Small sections. II, (3). Professor LEWISON, Associate Professors CHAUVET and FREILICH, Dr. COE, Dr. AMTMAN, Dr. ROSENBLUM, Dr. RAGINS.
2. CLINIC.—Lectures and conferences with special reference to diseases of metabolism. I, (1). Professor KEETON.

REQUIRED COURSES—THIRD YEAR

10. SYSTEMATIC STUDY OF IMPORTANT DISEASES.—Lecture and quiz. Continuous through I and II, (2). Assistant Professors SAWYER, CIPRIANI, VANDERKLOOT, and DEUSS, Dr. PELUSE, Dr. BOIKAN.
11. CLINIC.—Selected topics. Research Hospital. Continuous through I and II, (1). Assistant Professors BIRCH and STREICHER, Dr. DALITSCH, Dr. HICK.
12. CLINIC.—Selected topics. Cook County Hospital. Continuous through I and II, (1). Associate Professors PILOT and FREILICH, Assistant Professor FOLEY.
13. CLINIC.—Selected topics, with special reference to diseases of metabolism. Research Hospital. II, (1). Professor KEETON.
14. CLERKSHIPS.—History taking and physical diagnosis. Cook County, Michael Reese, and Research Hospitals. Students are directed in their work by the associates of the respective wards. Eight weeks, I and II, (17). Dr. AFREMOW, Dr. RAGINS, Dr. STEIGMANN, Dr. SAPHIR, Dr. JONES, Dr. DREYER, Dr. SIEGAL, Dr. RABENS, Dr. PASSARELLI, Dr. BERNSTEIN.
15. DISPENSARY.—Case presentation of patients studied in course 14, before a section of 20 students under the direction of attending men. Cook County and Research Hospitals. Eight weeks, I and II, (2). Associate Professors SLOAN, PILOT, and MEYER, Assistant Professor FOLEY.

ELECTIVE COURSES—THIRD YEAR

30. DISEASES OF THE LIVER.—I, (1). Dr. DETRANA.
31. DISEASES OF THE GASTRO-INTESTINAL TRACT.—Lectures and demonstrations. I, (1). Associate Professor MEYER.
32. CLINICO-PATHOLOGICAL LECTURES AND DEMONSTRATIONS.—Limited to one-eighth of the class. Eight weeks, II, (1). Not given in 1936-37.
33. PRINCIPLES OF MEDICINE.—Review course. II, (2). Dr. AFREMOW, Dr. MOSKO.
35. THE PATIENT AS THE UNIT OF PRACTICE.—II, (1). Assistant Professor PROPST.

REQUIRED COURSES—FOURTH YEAR

50. CLINIC.—Selected topics with especial attention to differential diagnosis. Research Hospital. Continuous through I and II, (1). Professor KEETON.
51. CLINIC.—Selected topics with especial attention to differential diagnosis. Cook County Hospital. Continuous through I and II, (1). Professor STRAUSS, Associate Professors MEYER, LUSK, and SLOAN.
52. CLINIC.—Diseases in the field of allergy. Research Hospital. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Dr. NELSON, Dr. RAPPAPORT, and associates.

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[2] Beginning January 19, 1937.
[3] Beginning February 19, 1937.
[4] Beginning December 9, 1936.
[5] Beginning March 11, 1937.
[6] Beginning April 1, 1937.

53. CLINIC.—Chest and respiratory diseases. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Associate Professors FREILICH and LUSK, Assistant Professors LEVINSON and DEUSS, Dr. RAGINS.
54. CLINIC.—Gastro-intestinal diseases including liver. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Associate Professors MEYER, SLOAN, and LUSK, Assistant Professors FOLEY and STREICHER.
55. CLINIC.—Hematology. Research Hospital. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Assistant Professor BIRCH, Dr. JONES, Dr. LIMARZI.
56. CLINIC.—Cardiology. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Professor STRAUSS, Associate Professor PERLSTEIN, Dr. BOIKAN.
57. CLINIC.—Cardiology. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Assistant Professors VANDERKLOOT, BIRCH, and RABENS, Dr. GOLDWASSER, Dr. DALITSCH, Dr. HICK.
58. CLINIC.—Kidney and peripheral vascular diseases. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Assistant Professor VANDERKLOOT, Dr. DALITSCH, Dr. HICK, Dr. PASSARELLI, Dr. LUETH.
59. CLINIC.—Therapeutics. Research and Educational Hospital. One 2-hour period per week. Eight weeks, I and II, (2). Professor CAMP, Assistant Professor FOLEY, Dr. HICK.
60. CLINICAL LABORATORY.—Familiarity with routine hospital laboratory procedure is stressed. Five 2-hour periods per week. Three weeks, I and II, (10). Dr. HOOD, Dr. KENDRICK, Dr. LIMARZI, and members of the dispensary staff.
61. ADMITTING CLINIC.—Research Hospital. Two 2-hour periods for one week, I and II. Dr. BECKER, Dr. PASSARELLI, and members of the dispensary staff.
62. DISPENSARY.—Training in the practice of medicine; physical examination, history taking, and diagnosis. Research and Educational Hospital. Four hours daily for two weeks, I and II. Members of the dispensary staff.

ELECTIVE COURSES—FOURTH YEAR

70. DISEASES OF THE GASTRO-INTESTINAL TRACT.—Lectures and demonstrations. II, (1). Associate Professor MEYER.
72. CLINICAL PARASITOLOGY.—Limited to eight students. One 2-hour period per week. Eight weeks, I, (2). Dr. HOOD.
73. PRINCIPLES OF MEDICINE.—Review course. I, (2). Dr. AFREMOW, Dr. MOSKO.
74. DISEASES OF THE HEART, KIDNEYS, AND BLOOD VESSELS.—Selected topics. I, (1). Dr. FELDMAN.
75. DISEASES OF THE CHEST.—II, (1). Assistant Professor RABENS.
76. TUBERCULOSIS.—II, (1). Associate Professor GOLDBERG.
77. CARDIO-VASCULAR DISEASES.—I, (1). Professor LEWISON.
78. PROBLEMS IN DIAGNOSIS.—II, (1).
79. GASTRO-INTESTINAL DISFUNCTION.—I, (1). Dr. MCMILLAN.
80. DIETETICS.—Limited to twelve students. Eight weeks, II, (1). Dr. BECKER.
81. ALLERGY.—Limited to twelve students. Eight weeks, II, (1). Dr. NELSON.
82. CARDIO-VASCULAR DISEASE.—I and II, (1). Dr. BOIKAN.
83. TERTIARY LUES.—I, (1). Dr. DORMAN.
84. HYPERTENSIVE DISEASES.—Eight weeks, I, (1). Dr. BOLOTIN.
85. HISTORY OF MEDICINE.—I, (1).

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN MEDICINE.—(*1 to 3 units*). Professor KEETON, Assistant Professor BIRCH.

MEDICAL ILLUSTRATION

Associate Professor JONES

ELECTIVE COURSES FOR THIRD-YEAR AND FOURTH-YEAR STUDENTS

50. MEDICAL ILLUSTRATION.—Drawing, including perspective values and their adaptation to the representation of medical subjects; use of media adapted for repre-

senting certain conditions and structures, and for special methods of reproduction. Two 2-hour periods per week. I, (4). Limited to four students. Associate Professor JONES.

SPECIAL COURSES FOR NON-MEDICAL STUDENTS

90. MEDICAL ILLUSTRATION.—Offered for artists who desire to make a profession of scientific illustration in the field of medicine. The length of the course is two years, and students will work in the illustration studios with the staff artists. Instruction covers the various phases of illustrative work for publication and teaching in anatomy, pathology, surgery, etc., in different media as well as the preparation of scientific and lay exhibits. Students in this course will take the regular medical course in gross anatomy. Candidates for the course must present evidence of thorough general art training as well as scholastic and character credentials. Except in unusual cases applications must be made in person. Class limited to 6 students. Hours 9:00 a.m. to 4:00 p.m. Fee for each semester, $50, plus laboratory fees each semester.

NEUROLOGY AND NEUROLOGICAL SURGERY

Professors: OLDBERG (Head of the Department), HASSIN.
Associate Professors: MACKAY.
Assistant Professors: DIAMOND, OLKON.
Instructors: LICHTENSTEIN, ZEITLIN.[1]
Assistants: OLSEN, MILLER.[2]

REQUIRED COURSES—THIRD YEAR

10. FUNDAMENTALS OF NEUROLOGY.—A correlation of the anatomy, physiology, pathology, and clinical examination of the nervous system. I, (1). Dr. ZEITLIN, Dr. LICHTENSTEIN.
11. NEUROLOGY CLINIC.—Systematic lectures and clinical demonstrations of the principal diseases of the nervous system. II, (1). Associate Professor MACKAY, Assistant Professor OLKON.

REQUIRED COURSES—FOURTH YEAR

50. NEUROLOGY CLINIC.—Lectures and demonstrations of clinical cases. I and II, (1). Professor HASSIN.
51. NEUROLOGICAL SURGERY.—Lectures and demonstrations of neurosurgical problems. Eight weeks for each quarter of the class. I and II, (2). Professor OLDBERG.
52. DISPENSARY.—Six 2-hour periods per week. Two weeks for each sixteenth of the class. I and II, (12). Entire staff of the department.

ELECTIVE COURSES—FOURTH YEAR

70. NEUROPATHOLOGY.—Eight weeks. II, (1). Limited to one-half the class. Lectures and demonstrations. Assistant Professor DIAMOND.
71. NEUROLOGY WARD WALK.—I and II, (1). Limited to ten students each semester. Professor OLDBERG.

SPECIAL COURSES FOR PHYSICIANS

90. CLINICAL COURSE.—Given in conjunction with the Department of Psychiatry. Fee, $50 per semester.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN NEUROLOGY.—(*1 to 3 units*). Professor HASSIN.
102. RESEARCH IN NEUROLOGICAL SURGERY.—(*1 to 3 units*). Professor OLDBERG.

OBSTETRICS AND GYNECOLOGY

Professors: FALLS (Head of the Department), BYFORD (Emeritus), C. S. BACON (Emeritus).
Assistant Professors: LANG, HAMMOND, STONE, LASH, BROWNE, NEWBERGER.

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[1] On leave of absence.
[2] Beginning January 15, 1937.

Associates: MARTIN, LIFVENDAHL, SCOTT,[3] KOBAK, KAPLAN, HILL,[1] SUMMERVILLE.
Instructors: ROSE, A. R. BACON, BLOOMFIELD, McLAUGHLIN, SMITH, SCHNEIDER, HIBBERT, WOLFF.
Assistants: REZEK, CAREY, BERNELL, ROOS, DEARDORFF, CLARK, BOICE, FREDA, BOMZE, CONWAY, HERNDON,[2] SCHEFFLER, WALLHEISER, TESOR, ENGELHARD.

A. OBSTETRICS

REQUIRED COURSES—THIRD YEAR

10. PHYSIOLOGY OF PREGNANCY AND LABOR.—Lectures, quizzes, and demonstrations. I, (2). Assistant Professors NEWBERGER, LASH, and BROWNE, Dr. MARTIN, Dr. HIBBERT, Dr. SCHNEIDER, Dr. SCOTT.
11. PATHOLOGY OF PREGNANCY AND LABOR AND THE PUERPERIUM.—Lectures, quizzes, and demonstrations. II, (2). Assistant Professors BROWNE and NEWBERGER, Dr. MARTIN, Dr. SCHNEIDER, Dr. LASH, Dr. HIBBERT, Dr. SCOTT.
12. DISPENSARY OUT-CLINIC.—Three 2-hour periods per week. Four weeks, I and II. Assistant Professors BROWNE and NEWBERGER, Dr. BLOOMFIELD, Dr. HILL, Dr. ROSE, Dr. KAPLAN, Dr. SCOTT, Dr. SMITH, Dr. CAREY, Dr. SCHNEIDER, Dr. HIBBERT, Dr. KOENIGSBERG, Dr. WOLFF.
13. OBSTETRICAL AND GYNECOLOGICAL LABORATORY.—Gross and microscopic specimens of such obstetrical complications as ruptured uterus, ablatio placenta, puerperal sepsis, ectopic pregnancy, hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented, and fresh specimens when available. One 2-hour period per week. Eight weeks, I and II. Dr. HILL, Dr. SUMMERVILLE, Dr. SMITH, Dr. REZEK, Dr. WOLFF.
14. COOK COUNTY CLERKSHIP.—Each third-year student spends a twenty-four hour period on duty in the obstetrical ward in Cook County Hospital, observing all cases delivered during that time. Students see on the average ten deliveries.

ELECTIVE COURSES—THIRD YEAR

(Will not be given for less than 5 students)

30. TOXEMIAS OF PREGNANCY.—II, (1). Dr. HILL.
31. COOK COUNTY HOSPITAL WARD WALK.—Limited to 20 students. Eight weeks, I and II. Assistant Professor LASH, Dr. KOBAK.
32. INFECTIONS.—Puerperal sepsis, breast abscess, pyelitis. II, (1). Dr. SUMMERVILLE.
33. STERILITY AND CONCEPTION.—I and II, (1). Assistant Professor STONE, Dr. KOBAK.
34. HEMORRHAGES.—I, (1). Dr. HIBBERT.
35. REVIEW COURSE.—II, (1). Dr. WOLFF, Dr. BERNELL.

REQUIRED COURSES—FOURTH YEAR

50. MANIKIN.—Obstetrical operations demonstrated and opportunity afforded to do the operation on the manikin under supervision and to become thoroughly familiar with the instruments and technic of such operations. Small groups and individual instruction. One 2-hour period per week. Eight weeks, I and II. Assistant Professors BROWNE, HAMMOND, and NEWBERGER, Dr. HILL, Dr. SUMMERVILLE, Dr. HIBBERT.
51. CLINIC.—Demonstration of cases. Research and Educational Hospital. I and II, (1). Professor FALLS, Assistant Professor BROWNE.
52. CLERKSHIP.—During the fourth year, two weeks of full-time clerkships are required. Students are housed in a group near the Research and Educational Hospital and are on call night and day. Two students are assigned to each case and are on duty from the time labor starts until the patient is delivered. They are required to keep records of the labors and the post-partum visits. They are occupied in the obstetrical ward of the hospital when not attending out-patient cases.

ELECTIVE COURSES—FOURTH YEAR

(Will not be given for less than 5 or more than 15 students)

70. HEART COMPLICATIONS IN PREGNANCY.—II, (1). Dr. SCOTT.
71. MANIKIN.—I, (1). Dr. KOBAK.

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[1] Resignation effective December 1, 1936.
[2] Resignation effective March 1, 1937.
[3] Resignation effective April 15, 1937.

72. REVIEW COURSE.—I, (1). Dr. WOLFF, Dr. BERNELL.
73. OPERATIVE OBSTETRICS.—I, (1). Assistant Professor BROWNE.
74. ENDOCRINOLOGY.—I, (1). Dr. SCHNEIDER.

B. GYNECOLOGY

REQUIRED COURSES—THIRD YEAR

30. INTRODUCTION TO GYNECOLOGY.—A few hours are devoted to gynecology and consist of ward walks, pre-operative and post-operative demonstrations. The purpose is to introduce the student to the subjects of gynecology and obstetrics concurrently, thus emphasizing the intimate connection between the two subjects. Cook County and Research and Educational Hospitals. Small groups. One 2-hour period per week. Eight weeks, I and II. Professor FALLS, Assistant Professors STONE and BROWNE, Dr. WOLFF, and other members of the staff.

REQUIRED COURSES—FOURTH YEAR

60. LECTURE AND QUIZ.—Conferences supplemented by lectures on special topics such as radium and x-ray therapy, sterility and conception, endocrinology, and malignant tumors of the sexual organs. Continuous through I and II, (1). Professor FALLS, Assistant Professors STONE, LASH, and BROWNE, Dr. LIFVENDAHL.
61. SEMINAR.—Eight weeks, I, (1). Assistant Professor LANG, Dr. BACON, Dr. KAPLAN, Dr. KOENIGSBERG.
62. CLINIC.—Operative and demonstration course. Cook County Hospital. One 2-hour period per week. Professor FALLS.
63. DISPENSARY.—Small groups instructed in history-taking and physical examinations; treat minor gynecological complaints under supervision. One 2-hour period daily. Two weeks, I and II. Assistant Professors LANG and STONE, Dr. SCOTT, Dr. KOBAK, Dr. BLOOMFIELD, Dr. HILL, Dr. SUMMERVILLE, Dr. REZEK, Dr. CAREY.
64. CLINIC.—Carcinoma and radium therapy. Research and Educational Hospital. Small groups. Three 3-hour periods for one week. Dr. HILL.
65. CLINIC.—Venereal diagnosis complicating pregnancy. Research and Educational Hospital. Small groups. Three 3-hour periods for one week. Dr. KAPLAN.
66. PATHOLOGICAL CONFERENCE AND WARD WALK.—Prenatal and postnatal cases. Research and Educational Hospital. Small groups. One 1-hour conference in Hospital Laboratory, followed by one 1-hour ward walk. Assistant Professor BROWNE.

ELECTIVE COURSES—FOURTH YEAR

80. PELVIC NEOPLASMS.—II, (1). Dr. LIFVENDAHL.
81. PELVIC INFLAMMATION.—II, (1). Dr. KOBAK.
82. UTERINE HEMORRHAGES.—II, (1). Dr. BERNELL.
83. MENSTRUAL DISORDERS.—I, (1). Dr. REZEK.
84. OPERATIVE GYNECOLOGY.—I and II, (1). Professor FALLS.
85. PRE-OPERATIVE AND POST-OPERATIVE GYNECOLOGICAL TREATMENT.—I, (1). Dr. WOLFF.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN OBSTETRICS AND GYNECOLOGY.—(*1 to 3 units*). Professor FALLS.

OPHTHALMOLOGY

Professors: FINDLAY, WOOD (Emeritus), GAMBLE (Emeritus).
Associate Professors: BEARD.
Assistant Professors: FOLK, SMITH.
Associates: KAUFMAN, APPLE, CLARK.
Instructors: RISER, HORICK.
Assistants: BROOKS.

REQUIRED COURSES—FOURTH YEAR

51. CLINIC AND PRACTICE.—Includes normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts, and

study of eye diseases which the general practitioner most frequently encounters. Five 2-hour periods per week. Four weeks, I and II. Assistant Professor FOLK.

52. DIDACTIC OPHTHALMOLOGY.—Illustrated lectures and quizzes. I, (1). Associate Professor BEARD, Assistant Professor FOLK.

SPECIAL COURSES FOR PHYSICIANS

90. CLINICAL COURSE.—Designed for those who wish to take up ophthalmology as a specialty. Only one process is studied at a time. Processes taught are: (a) determination of central visual acuity, neutralization of lenses, retinoscopy, refraction (with cycloplegia and without), tonometry, determination of degrees of strabismus or paralysis, types of discs (Elschnig's classification); (b) measurements of disc level, perimetry, objective findings in external and fundus diseases, case-history writing and diagnosis, prognosis, and treatment of a given case as a whole. This course extends over three periods of four months each, and no applicant is accepted for registration for less than the full twelve months. Pathology is taken with undergraduate students. Hours: 9:00 to 12:00 a.m., six days a week. Fee for each period of four months, $50.

91. PATHOLOGY OF THE EYE.—Four months. Hours to be arranged. I or II. Fee for each period of four months, $50. Associate Professor BEARD.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN OPHTHALMOLOGY.—(*1 to 3 units*).

ORTHOPAEDICS

Professors: THOMAS (Head of the Department).
Assistant Professors: MURPHY, HARK, LEVINTHAL.
Associates: MARSHALL, LAMBERT.
Instructors: FISCHER, MILLER.
Assistants: GRIMMER, LEIMBACHER, MCCABE.

REQUIRED COURSES—THIRD YEAR

10. CLINICAL LECTURE.—Introduction to orthopaedic problems, including diagnosis and treatment of fractures. I, (1). Professor THOMAS.

11. CLINICAL OPERATIVE ORTHOPAEDIC SURGERY.—Eight weeks, I and II, (1). Professor THOMAS, Assistant Professor HARK, Dr. LAMBERT.

12. DISPENSARY.—Includes practical demonstration in physiotherapy, hydrotherapy, and treatment of fractures. Three 2-hour periods per week. Four weeks, I and II. Professor THOMAS and other members of the staff.

13. PRINCIPLES OF ORTHOPAEDIC SURGERY.—Recitation and quiz. II, (1). Professor THOMAS and other members of the staff.

ELECTIVE COURSES—THIRD YEAR

30. THEORY AND PRACTICE OF PHYSIOTHERAPY IN ORTHOPAEDICS.—Electrotherapy, hydrotherapy, mechanico-therapy, massage, and muscle re-education. Eight weeks, I and II. Professor THOMAS and other members of the staff.

REQUIRED COURSES—FOURTH YEAR

50. CLERKSHIP.—Three 3-hour periods. One week, I and II. Illinois Surgical Institute and Cook County Hospital. Professor THOMAS, Assistant Professor LEVINTHAL, Dr. LAMBERT.

ELECTIVE COURSES—FOURTH YEAR

70. SPECIAL TOPICS IN SURGERY OF JOINTS.—Operative management of injuries, infections, and tumors of the extremities and spinal column. I, (1). Professor THOMAS and other members of the staff.

71. SURGERY OF BONES AND JOINTS.—Cadaver demonstrations of operations for the reconstruction of extremity deformities, malunion and non-united fractures,

bone transplants and fusions in Pott's disease and in fractured spines, reconstruction in fractured hips, and operation following infantile paralysis. II, (1). Professor Thomas and other members of the staff.

Special Courses for Physicians

90. Clinical Course.—Designed to present and show the importance of examination and systematic development of indications. Includes (a) attendance at clinics and ward rounds; (b) operative orthopaedic surgery on cadavers; (c) assistance at operations; (d) work in pathology, psychiatry, general surgery, physiotherapy, neurology, serology, etc. Hours to be arranged. Registration limited. Fee for four-month period, $50.

Courses for Graduate Students

101. Research in Orthopaedics.—*(1 to 4 units)*. Professor Thomas.

PATHOLOGY, BACTERIOLOGY, AND PUBLIC HEALTH

Professors: D. J. Davis (Head of the Department), Petersen, Arnold, Jaffé.
Associate Professors: Pilot, Levinson, Nedzel, Saphir.
Assistant Professors: Ladd, Hull, Milles, Piette.
Associates: Beach, Melnick, Kearns, Neiman, Levine, Fisher, Kronenberg, MacFate, McDaniels, Rosenthal, Weiss, Tucker.
Instructors: Boikan, Klein, Ragins, Stuart, Beaver, Corrigan, Howe, Goodman, Dreyer, Kominik, Zeitlin,[1] Gowen, Seidmon, Learner.
Assistants: Dorrell, Milliken, Dahl, Hirschberg, Masson, Berg.[2]
Cooperating: Dr. Muehlberger.

Required Courses—Second Year

1. General Bacteriology and Protozoology.—Lectures, demonstrations, and laboratory. I, (9). Professor Arnold, Associate Professor Nedzel, and other members of the staff.
2. General Pathology and Pathological Histology.—Lectures, recitations, demonstrations, and laboratory. II, (12). Professor Petersen, Assistant Professor Milles, Dr. Kearns, Dr. Levine, and other members of the staff.
3. Clinical Pathology.—Chemical and microscopical examination of urine, feces, and blood, with emphasis on technic. Lectures, demonstrations, and laboratory. II, (5). Associate Professor Levinson, Mr. MacFate, and other members of the staff.
4. Preventive Medicine.—General principles of prevention of disease. Epidemiology. II, (2). Professor Arnold and other members of the staff.

Required Courses—Third Year

10. Autopsies.—Routine postmortem examinations, practical work, and demonstrations. One 2-hour period per week. I and II. Associate Professor Levinson, Assistant Professor Milles, and other members of the staff.
11. Special Pathology.—Gross and microscopic examination of pathological material, postmortem bacteriology, and experimental pathology. One 3-hour period per week. II. Associate Professors Pilot and Saphir, Assistant Professor Milles, and other members of the staff.

Required Courses—Fourth Year

50. Industrial Hygiene and Public Health.—Industrial and occupational diseases; control and prevention. II, (2). Professor Arnold, Dr. Beach, Dr. Kronenberg.

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[1] On leave of absence.
[2] Beginning May 1, 1937.

ELECTIVE COURSES

(Open only to properly qualified students. Time to be arranged.)

51. ADVANCED WORK AND RESEARCH.—Professors DAVIS, PETERSEN, and ARNOLD.
52. INDUSTRIAL HYGIENE.—Professor ARNOLD, Dr. BEACH, Dr. KRONENBERG.
53. ADVANCED WORK IN PUBLIC HEALTH.—Professor ARNOLD.
54. DIAGNOSIS OF TUMORS.—Professor PETERSEN, Associate Professor PILOT, Assistant Professor MILLES, Dr. MELNICK.
55. LEGAL MEDICINE.—Associate Professor LEVINSON, Dr. KEARNS, Dr. MELNICK, Dr. MUEHLBERGER.
56. INTRODUCTORY COURSE IN PUBLIC HEALTH.—General survey of the field of public health practice, including vital statistics, epidemiology, sanitary science, general and specific methods of controlling communicable diseases, and a study of public health practice, duties, requirements, and functions of medical public health officers. (32 lectures). Elective for third-year and fourth-year students. II. Professor ARNOLD.

COURSES FOR GRADUATE STUDENTS

101. ADVANCED PATHOGENESIS.—Pathology and bacteriology. (*1 to 3 units*). Professors DAVIS, PETERSEN, ARNOLD, and JAFFÉ, Associate Professor PILOT.
103. INDIVIDUAL RESEARCH.—(*1 to 4 units*). Professors DAVIS, PETERSEN, ARNOLD, and JAFFÉ, Associate Professor PILOT.

PEDIATRICS

Professors: HESS (Head of the Department), EARLE (Emeritus), IRISH, BLATT.
Associate Professors: PONCHER.
Assistant Professors: BOWER, CALVIN, ROSENBLUM, BRONSTEIN.
Associates: GOLDBERGER, GREENGARD, CHAMBERLAIN, ROBINS, SALTIEL, GASUL, HOFFMAN, LEICHENGER.
Instructors: LEVIN, PAUKER, HALPERN, SULDANE, MANSOWIT, PADNOS, TIGAY, KLEIN, LEVINSON.
Assistants: WADE, SCHNEIDER, ABELSON, BARATZ, NICHAMIN, JACOBS, BAXTER, BEALS, RICHTER.[1]
Cooperating: Professor SCHROEDER.

REQUIRED COURSES—THIRD YEAR

10. NUTRITION AND NUTRITIONAL DISTURBANCES IN INFANCY AND CHILDHOOD.—Lectures and clinical conferences. I, (4). Professor HESS, Associate Professor PONCHER.
11. DISEASES IN INFANCY AND CHILDHOOD.—Group lecture and quiz. II, (1). Professor IRISH and other members of the staff.
12. CLINICAL DEMONSTRATION OF NUTRITION AND NUTRITIONAL DISTURBANCES IN INFANCY AND CHILDHOOD.—Cook County Hospital. Eight weeks. I and II, (1). Assistant Professor CALVIN.
14. CLINICAL DEMONSTRATION OF DISEASES IN INFANCY AND CHILDHOOD.—Cook County Hospital. Eight weeks. I and II, (1). Assistant Professor ROSENBLUM.
15. LECTURES AND CLINICAL DEMONSTRATION OF CONTAGIOUS DISEASES.—Cook County Hospital. Four weeks. I and II, (2). Assistant Professor BOWER, Dr. LEICHENGER, Dr. GASUL.
16. CLERKSHIP.—Supervised case study of patients in the pediatric ward of the Research and Educational Hospital. Small groups. Six 3-hour periods. I and II. Associate Professor PONCHER.

ELECTIVE COURSES—THIRD YEAR

30. PHYSICAL DIAGNOSIS IN CHILDHOOD.—Eight weeks. I and II, (1). Dr. SALTIEL.
31. SYPHILIS AND GONORRHEA IN CHILDHOOD.—Dr. HOFFMAN.
32. TUBERCULOSIS IN CHILDHOOD.—Also open to seniors. Dr. GREENGARD.

REQUIRED COURSES—FOURTH YEAR

50. SUPERVISED CASE STUDY AND CONFERENCE ON DISPENSARY PATIENTS IN PEDIATRIC DISPENSARY.—Research and Educational Hospital. Six 2-hour periods per week. Two weeks, I and II. Members of the dispensary staff.

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[1] Beginning May 1, 1937.

51. CLINICAL DEMONSTRATION OF DISEASES OF CHILDHOOD.—Cook County Hospital. One 2-hour period per week. I and II. Professor HESS.
52. CLINIC.—Physical diagnosis and clinical demonstration of diseases of infancy. Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Professor IRISH.
53. CLINIC.—Demonstration of diseases of the heart and lungs in infancy and childhood. Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Professor BLATT.
54. CLERKSHIP.—Group demonstration and discussion every morning and afternoon for one week. Municipal Contagious Hospital. Dr. SALTIEL, Dr. MANSOWIT, and members of the Municipal Contagious Hospital staff.

ELECTIVE COURSES—FOURTH YEAR

70. APPLIED IMMUNOLOGY.—Sixteen weeks, I and II, (1). Dr. GASUL.
71. DISEASES OF THE BLOOD-FORMING ORGANS IN INFANCY AND CHILDHOOD.—Eight weeks, I and II, (2). Associate Professor PONCHER.
72. MENTAL HYGIENE IN INFANCY AND CHILDHOOD.—Eight weeks, I and II, (1). Professor SCHROEDER.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN PEDIATRICS.—(*1 to 3 units*). Professor HESS, Associate Professor PONCHER.

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Professors: McGUIGAN (Head of the Department), FANTUS, CAMP.
Associates: EWING.
Lecturers: MUEHLBERGER.
Assistants: HIGGINS, GANT, DYNIEWICZ, CIRCLE,[1] TANNER.

REQUIRED COURSES—SECOND YEAR

1. PHARMACOLOGY.—Lectures and laboratory. I, (8). *Prerequisite:* Physiology course 1, or equivalent; Physiological Chemistry courses 1 and 2, or equivalent. Professors McGUIGAN and CAMP and other members of the staff.
2. PHARMACOLOGY.—Lectures, quizzes, and laboratory. II, (5). Professors McGUIGAN and CAMP and other members of the staff.

REQUIRED COURSES—THIRD YEAR

15. THERAPEUTICS.—I, (2). Professors McGUIGAN and FANTUS, Miss DYNIEWICZ.

ELECTIVE COURSES

(Minimum registration: 5 students for each course.)

30. HISTORY OF PHARMACOLOGY AND TOXICOLOGY.—Review of modern books. Professors McGUIGAN and CAMP.
31. MATERIA MEDICA.—Prescription writing. Professors McGUIGAN and CAMP.
32. TOXICOLOGY.—Professors McGUIGAN and CAMP.
33. SYSTEMIC PHARMACOLOGY.—(a) eye, (b) digestive systems, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart, and kidneys. Professors McGUIGAN and CAMP.
34. FUNDAMENTAL PRINCIPLES OF THERAPY.—Professor FANTUS.
35. CORRELATION OF PHARMACOLOGY AND THERAPEUTICS.—Professors McGUIGAN and CAMP.
36. SEMINAR.—Open to selected students. Members of the staff.

COURSES FOR GRADUATE STUDENTS

101. ADVANCED PHARMACODYNAMICS.—(*1 to 3 units*). Professors McGUIGAN and CAMP.
103. RESEARCH IN PHARMACODYNAMICS.—(*1 to 3 units*). Professors McGUIGAN and CAMP.

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[1] Resignation effective March 1, 1937.

PHYSIOLOGICAL CHEMISTRY

Professors: WELKER (Head of the Department).
Associate Professors: BERGEIM.
Assistant Professors: COLE.
Associates: JOHNSON.
Instructors: STEPHAN.
Assistants: BRIGGS, HARVEY.
Cooperating: Professor KEETON.

REQUIRED COURSES—FIRST YEAR

1. PHYSICAL AND CHEMICAL PROPERTIES OF SOLUTIONS.—Chemistry of carbohydrates, lipides, and proteins; enzymes and digestion. Lectures, demonstrations, conferences, and laboratory. I, (4). Professor WELKER and other members of the staff.
2. CHEMISTRY OF BILE, BLOOD, MILK, AND TISSUES.—Metabolism; chemistry of urine (qualitative and quantitative). Lectures, demonstrations, conferences, and laboratory. II, (4). Professor WELKER and other members of the staff. (*Note:* Approximately eight hours of the lectures will be delivered by Professor KEETON, of the Department of Medicine, to correlate the work in Physiological Chemistry with Medicine.)

ELECTIVE COURSES

60. SPECIAL TOPICS IN BIOCHEMISTRY.—Blood analysis; vitamin studies; methods and clinical significance. I or II. Associate Professor BERGEIM.
61. PHYSICAL AND COLLOID CHEMISTRY.—Elements of physical and colloid chemistry and their application to biology and medicine, with emphasis on the chemistry of proteins. I or II. Assistant Professor COLE.
62. PROTEINS.—Methods of preparation of pure proteins and study of their immunological and chemical properties. I or II. Professor WELKER.

BIOCHEMICAL SEMINAR.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

RESEARCH.—The laboratories are open to persons with the requisite training for the conduct of original investigations under the direction of the members of the staff.

COURSES FOR GRADUATE STUDENTS

101. ADVANCED BIOLOGICAL CHEMISTRY.—Biochemical methods of research, biological colloids, enzyme action, and metabolism. (*1 or 2 units*). Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.
103. BIOCHEMICAL RESEARCH.—(*1 or 2 units*). Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.

PHYSIOLOGY

Professors: WAKERLIN[2] (Head of the Department), BACHEM, GELLHORN.
Associate Professors: REED.
Assistant Professors: JENKINS.
Associates: SMITH, DARROW.[1]
Instructors: INGRAHAM, STRUCK.
Assistants: STECK, KLEIN.

REQUIRED COURSES—FIRST YEAR

1. HUMAN PHYSIOLOGY.—General physiology, mechanisms of excitable and contractile structures, physiology of circulation and respiration. Lectures, demonstrations, and laboratory, with clinical demonstrations and correlations by members of the clinical departments. II, (6). Professor GELLHORN, Associate Professor REED, and other members of the staff.

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[1] Beginning January 1, 1937. [2] Beginning September 1, 1937.

REQUIRED COURSES—SECOND YEAR

2. HUMAN PHYSIOLOGY.—Continuation of course 1. Physiology of the nervous system, special senses, and digestion. I, (9). Professor GELLHORN, Associate Professor REED, and other members of the staff.
3. HUMAN PHYSIOLOGY.—Continuation of courses 1 and 2. Physiology of metabolism, excretion, internal secretions, and reproduction. II, (3). Professor GELLHORN, Associate Professor REED, and other members of the staff.

ELECTIVE COURSES

(Open only to qualified students. Time to be arranged.)

51. SPECIAL ADVANCED PHYSIOLOGY.—This course is designed to meet the needs of students desiring advanced, detailed knowledge of a limited field, and in each semester a different field is selected and announced in advance. Subjects covered are: endocrinology, heart, gastro-intestinal tract, neurophysiology, muscle, general metabolism and nutrition, and growth. Professor GELLHORN, Associate Professor REED.
52. PHYSIOLOGICAL EFFECTS OF RADIATION.—Professor BACHEM.
55. PROBLEMS IN PHYSIOLOGY.—Professors BACHEM and GELLHORN, Associate Professor REED.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN PHYSIOLOGY.—(*1 to 3 units*). Professor GELLHORN, Associate Professor REED.
102. RESEARCH IN BIOPHYSICS.—(*1 to 3 units*). Professor BACHEM.
103. SEMINAR IN SELECTED FIELDS.—(*1 unit*). Professors BACHEM and GELLHORN, Associate Professor REED.
104. CURRENT LITERATURE SEMINAR.—(*½ unit*). Required of all graduate students in physiology. Professors BACHEM and GELLHORN, Associate Professor REED.

PSYCHIATRY

Professors: SINGER (Head of the Department), METTLER (Emeritus), Davis (Emeritus).
Assistant Professors: LOW, SOLOMON.
Associates: KRAINES, SZUREK.
Instructors: BOSSELMAN, SHERMAN, KUHNS, RHEINGOLD, BRODER.
Assistants: PASKIND, BONNELL, SKORODIN, SONENTHAL, KAPLAN.
Cooperating: Professors SCHROEDER and GELLHORN, Assistant Professors OLKON and DIAMOND.

REQUIRED COURSES—FIRST YEAR

1. HUMAN BIOLOGY AND THE RELATIONS BETWEEN THE ORGANISM AND ITS ENVIRONMENT.—II. Given as part of Physiology Course 1. Professor GELLHORN.

REQUIRED COURSES—SECOND YEAR

5. LECTURES AND CASE DEMONSTRATIONS ON HUMAN BIOLOGY AND PERSONALITY.—II. Given in cooperation with the Department of Physiology. Professor SINGER and other members of the staff.

REQUIRED COURSES—THIRD YEAR

10. PATHOLOGY AND PREVENTION OF MENTAL DEFICIENCY, MENTAL DISEASE, AND DELINQUENCY.—I and II, (2). Professors SINGER and SCHROEDER, and other members of the staff.
12. CLERKSHIP.—Clinical instruction in mental examination of patients on medical wards. Instruction given during clerkship on medical wards. Dr. SZUREK and Dr. BOSSELMAN.

REQUIRED COURSES—FOURTH YEAR

50. DISPENSARY.—In conjunction with Department of Neurology and Neurological Surgery. Six 2-hour periods per week for two weeks. I and II.

51. DISPENSARY.—Psychiatric cases referred by other departments. Four 2-hour periods per week for two weeks. (Not given 1936-37. Will be given 1937-38.)
52. PSYCHIATRY.—Examination of patients in wards of Psychiatric Institute and discussion of cases with small groups. I and II, (1½). Professor SINGER and other members of the staff.
53. CLINIC.—Psychoneuroses with examination of patients and discussion of cases; methods of diagnosis and therapy. One 2-hour period per week for eight weeks. Assistant Professors LOW and SOLOMON.
54. CLERKSHIP.—Wards of Psychiatric Institute. Small groups. Three hours a day for one week. Assistant Professor LOW and associates.

ELECTIVE COURSES—FOURTH YEAR

71. CLINICAL PSYCHIATRY.—Eight weeks. II, (1). *Prerequisite:* Course 52. Practical demonstrations in the evaluation of symptoms. Assistant Professor LOW.

SPECIAL COURSES FOR PHYSICIANS

90. CLINICAL COURSE.—Designed to present methods of examination and indications for treatment. Includes attendance at clinics and ward rounds, work in anatomy, physiology, pathology, serology, etc. Hours to be arranged. Registration limited. Fee for four-month period, $50.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN PSYCHIATRY.—(*1 to 3 units*). Professor SINGER.

ROENTGENOLOGY

Professors: HARTUNG.
Instructors: RICHMAN, CONNELLY, RUBERT, WACHOWSKI.

REQUIRED COURSES—FOURTH YEAR

50. ROENTGENOLOGY.—Application of roentgen rays to medicine and surgery. Lectures and demonstrations. I, (2). Professor HARTUNG.
51. DISPENSARY.—Technic, interpretation, and therapy. Six 2-hour periods. Two weeks, I and II. Professor HARTUNG, Dr. RICHMAN, Dr. RUBERT, Dr. WACHOWSKI, Dr. CONNELLY.

ELECTIVE COURSES—FOURTH YEAR

70. INTERPRETATION OF ROENTGEN FILMS OF THE SKELETAL STRUCTURES.—I, (1). Professor HARTUNG.
71. INTERPRETATION OF ROENTGEN FILMS OF THE INTRA-CRANIAL, INTRA-THORACIC, AND INTRA-ABDOMINAL STRUCTURES.—II, (1). Professor HARTUNG.

SPECIAL COURSES FOR PHYSICIANS

90. CLINICAL COURSE.—Designed for those desiring to take up roentgenology as a specialty. Includes theoretical and practical teaching of the use of roentgen rays and radium for diagnosis and treatment. Offers opportunity to observe the technic of all standard roentgen examinations. Instruction given in interpreting findings on films and fluoroscopic screen and in the application of radiation to superficial and deep lesions. Extends over two periods of four months each. Registration limited. Hours: 8:30 to 12:00 a.m. and 2:00 to 5:00 p.m. Fee for each period of four months, $100.

SURGERY

Professor COLE (Head of the Department)

A. GENERAL SURGERY

Professors: HARSHA (Emeritus), C. DAVISON (Emeritus), HUMISTON (Emeritus), L. SCHULTZ (Emeritus), PERCY, DYAS, PHIFER, DE TARNOWSKY.
Associate Professors: POST, NADEAU, BAMBERGER, KOUCKY, MCARTHUR, MALCOLM, SEED, DE TAKATS.

Assistant Professors: JIRKA, KORDENAT, MORA, PUESTOW, SARMA, LYON, HAZLETT, VAN HAZEL, SPIVACK, ODEN, PORTIS, L. W. SCHULTZ.
Associates: STEPHENS, JOANNIDES, ZECHEL, SCUDERI, CROUTCH, MEYER, STEIN, WERNICKE, GREEN.
Instructors: DE LANO, ALMQUIST, MISHKIN, PELUSE, R. M. DAVISON, BAKER, McMILLAN, PONTIUS, BROWN, HALEVY, FLANNERY, GOODMAN, SHABAT, WAGNER, BECK, JAFFRAY, CLOWES, LOTSPIECH, JOSEPH.
Assistants: PARKER, MARQUARDT, REYNOLDS, GUSTAFSON, RALL,[3] STEINER, CARNEY,[3] SAHLSTROM, STROHL,[1] MATTHIES.[2]
Cooperating: Assistant Professor LEVINTHAL.

REQUIRED COURSES—SECOND YEAR

1. INTRODUCTION TO SURGERY.—Asepsis, surgical bacteriology, infections, surgical methods, wounds, shock, hemorrhage, surgery of blood vessels and lymphatics. II, (1). Professor COLE, Dr. STEIN, Dr. JOANNIDES, Dr. ZECHEL, Dr. STROHL.

REQUIRED COURSES—THIRD YEAR

10. FUNDAMENTAL PRINCIPLES OF SURGERY.—Recitation course. Continuous through I and II, (2). Professor PHIFER, Associate Professors POST, BAMBERGER, and KOUCKY.
11. SURGICAL SHOW CLINIC.—(To accompany course 10). I and II. Assistant Professor SARMA, Dr. ZECHEL.
12. SURGICAL DIAGNOSIS.—Research and Educational Hospital. I and II, (1). Professor COLE, Dr. MEYER.
13. GENERAL SURGICAL OPERATIVE CLINIC.—Research and Educational Hospital. One 2-hour period per week. Eight weeks, I and II. Associate Professor MALCOLM.
14. GENERAL SURGICAL OPERATIVE CLINIC.—Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Professor DYAS.
15. GENERAL SURGICAL CLINIC.—St. Luke's Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor HAZLETT.
16. SURGICAL DISPENSARY.—History-taking, diagnosis, minor surgery, and surgical dressings. Research and Educational Hospital. Three 2-hour periods per week. Eight weeks, I and II. Associate Professors BAMBERGER, MALCOLM, and DE TAKATS, Assistant Professors MORA, SARMA, and VAN HAZEL, and other members of the staff.

ELECTIVE COURSES—THIRD YEAR

30. SURGICAL DIAGNOSIS.—I, (1). Assistant Professor PORTIS.
31. REGIONAL SURGICAL ANATOMY.—I, (1). Dr. ZECHEL.
32. BLOOD TRANSFUSION, SURGICAL DRESSINGS, AND BANDAGING.—Individual instruction and demonstration. I, (1). Assistant Professor KORDENAT.
33 SURGICAL REVIEW.—II, (2). Assistant Professor MORA, Dr. PARKER.

REQUIRED COURSES—FOURTH YEAR

50. SURGICAL DIAGNOSIS.—Research and Educational Hospital. Continuous through I and II, (1). Professors COLE and DE TARNOWSKY.
51. GENERAL SURGICAL OPERATIVE CLINIC.—Research and Educational Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor PUESTOW.
52. GENERAL SURGICAL OPERATIVE CLINIC.—Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Professor DYAS.
53. GENERAL SURGICAL OPERATIVE CLINIC.—Augustana Hospital. One 2-hour period per week. Four weeks, I and II. Professor PERCY.
54. GENERAL SURGICAL OPERATIVE CLINIC.—Cook County Hospital. One 2-hour period per week. Four weeks, I and II. Assistant Professor JIRKA.
55. INDUSTRIAL SURGERY.—St. Luke's Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor LYON.
56. THORACIC SURGERY.—Research and Educational Hospital. One 2-hour period. Eight weeks, I and II. Assistant Professor VAN HAZEL.
58. NEUROCIRCULATORY SURGERY.—One 2-hour period per week. Four weeks, I and II. Associate Professor DE TAKATS.

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[1] Beginning January 1, 1937.
[2] Beginning February 1, 1937.
[3] Resignation effective April 1, 1937.

59. ORAL SURGERY.—One 2-hour period per week. Four weeks, I and II. Assistant Professor SCHULTZ.
60. MINOR SURGERY.—One 2-hour period per week. Four weeks, I and II. Assistant Professor MORA, Dr. CROUTCH.
61. SURGICAL PATHOLOGY.—Laboratory. One 2-hour period per week. Eight weeks, I and II. Associate Professor NADEAU.

ELECTIVE COURSES—FOURTH YEAR

70. RESEARCH ON ASSIGNED PROBLEMS.—Professor COLE and other members of the staff.
71. SURGICAL DIAGNOSIS.—II, (1). Dr. ODEN.
72. PRACTICE OF SURGERY.—I, (1). Associate Professor MALCOLM.
73. SURGICAL CLERKSHIP.—History taking and methods of examination. Cook County Hospital. Six 3-hour periods per week. Two weeks. I and II. Professors DYAS and MCKENNA, Assistant Professors JIRKA and LEVINTHAL, Dr. SCUDERI, and other members of the staff.
74. OPERATIVE SURGERY ON ANIMALS.—One 2-hour period per week. II. Assistant Professor SPIVACK.
75. SURGICAL TECHNIC.—II, (1). Assistant Professor PUESTOW.
76. SURGERY OF THE NECK.—II, (1). Associate Professor SEED.
77. SURGERY OF THE THORAX.—II, (1). Assistant Professor VAN HAZEL.
79. RECTAL SURGERY.—I, (1). Dr. PONTIUS, Dr. MCMILLAN.
80. SURGERY OF THE SYMPATHETIC NERVOUS SYSTEM.—II, (1). Associate Professor DE TAKATS.
81. SURGERY OF CHILDHOOD.—I and II, (1). Dr. GREEN.
82. TRAUMATIC SURGERY.—II, (2). Dr. SCUDERI.
83. EMERGENCY SURGERY.—I, (1). Professor DE TARNOWSKY.
84. SURGICAL REVIEW.—I, (2). Assistant Professor MORA, Dr. PARKER.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN SURGERY.—(*1 to 3 units*). Professor COLE, Associate Professors HERROLD and DE TAKATS, Assistant Professor PUESTOW.

B. UROLOGY

Professors: MCKENNA.
Associate Professors: O'CONOR, HERROLD.
Associates: EWERT.[1]
Instructors: PLATIN, RITCH, GERNON.
Assistants: SCHACHT, CAMBRIDGE, RISKIND, DRABANSKI, SORENSEN, DYKHUIZEN.[2]

REQUIRED COURSES—THIRD YEAR

10. FUNDAMENTALS OF UROLOGY.—Conferences and recitations. I, (1). Professor MCKENNA, Associate Professors O'CONOR and HERROLD, Dr. EWERT, Dr. GERNON, Dr. SCHACHT.
11. DISPENSARY.—History-taking, diagnosis, and treatment. Research and Educational Hospital. Three 2-hour periods. Four weeks, I and II. Professor MCKENNA, Associate Professor HERROLD, Dr. EWERT, and other members of the staff.

REQUIRED COURSES—FOURTH YEAR

50. CLINIC.—Research and Educational Hospital. One 2-hour period. Four weeks, I and II. Professor MCKENNA.
51. CLINIC.—Individual instruction in the diagnosis of urological diseases, including cystoscopy, surgery, catheterization of ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. Research and Educational Hospital. One 2-hour period per week. Four weeks, I and II. Professor MCKENNA, Dr. EWERT.

ELECTIVE COURSES—FOURTH YEAR

70. SURGERY OF THE GENITO-URINARY TRACT.—I and II, (1). Professor MCKENNA, Associate Professors O'CONOR and HERROLD, Dr. EWERT.

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[1] Resignation effective April 1, 1937.

[2] Beginning December 1, 1936.

C. ANAESTHESIA

Dr. BRUNNER, Associate

REQUIRED COURSES—THIRD YEAR

10. ANAESTHESIA.—Lectures. Twelve weeks, II. Dr. BRUNNER and other members of the staff.

REQUIRED COURSES—FOURTH YEAR

50. OPERATIVE CLERKSHIP.—Each student spends one week in the operating rooms and surgical wards of the Research and Educational Hospital. He is instructed in the technic and problems of practical anaesthesia and observes the care of surgical patients. I and II. Dr. BRUNNER and other members of the staff.

COLLEGE ORGANIZATIONS

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE

President—Charles Phifer, '02, 30 N. Michigan Ave., Chicago.
President-Elect—Frank Kotalik, '13, 6348 W. 26th St., Berwyn.
First Vice-President—William A. Plice, '02, 4010 W. Madison St., Chicago.
Second Vice-President—L. Rock Sleyster, '02, Wauwatosa, Wisconsin.
Secretary-Treasurer—M. H. Streicher, '24, 307 N. Michigan Ave., Chicago.
Necrologist—Felix H. Renberg, '05, 3037 Wentworth Ave., Chicago.
Alumni Councillors—
William H. Browne, '27, 2051 Sedgwick St., Chicago.
John M. Lang, '00, 4754 W. Washington Blvd., Chicago.
George W. Post, '09, 4010 W. Madison St., Chicago.
A. M. Harvey, '93, 4200 S. Kedzie Ave., Chicago.
C. C. Clement, '06, 30 N. Michigan Ave., Chicago.
Clara G. Gottschalk, '15, 5217 Magnolia Ave., Chicago.
M. R. Weidner, Jr., '33, 14115 S. Wabash Ave., Chicago.
Frank J. Fara, Jr., '33, 6822 W. 34th St., Chicago.
Frank C. Linden, '89, 1913 W. Halsted St., Chicago.
Maximilian Hubeny, '09, 25 E. Washington Blvd., Chicago.
Isidore Pilot, '17, 185 N. Wabash Ave., Chicago.
Frank Lee Stone, '10, 30 N. Michigan Ave., Chicago.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in fifty-six "Class A" medical schools, was founded at the College of Medicine of the University of Illinois in 1902. Third-year and fourth-year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

Group I.—Class of 1937

Maurice Dunn
Philip Falk
Victor Lorber
Jerome S. Mehlman
Isadore Spinka

Group II.—Class of 1937

Harry Louis Deutsch
Joseph Faingold
Marie Anna Hagele
Howard Eugene Heyer
Isadore A. Kaplan
Max Kaplan
Herbert Lack
Edward Levine
Raymond B. Murphy
Sol Pearlman
Louis Judea Perlmutter
Edward Sosson
Allen Edward Winer
Joseph John Zuska

Group I.—Class of 1938

Bernard Isadore Coopersmith
Edward Howard Lambert
Benjamin Samuel Meyer
Stanley William Olson
Charles Henry Stubenrauch

PI KAPPA EPSILON

Pi Kappa Epsilon is a national honorary medical fraternity to which members are elected by the following fraternities: Alpha Kappa Kappa, Nu Sigma Nu, Phi Beta Pi, Phi Chi, Phi Rho Sigma, and by non-fraternity groups.

Class of 1937

Alfred Hilton Cassidy
Franz Karl Fleischli
Wendel Rayburn Freeman
William Nimmo Gilman
Eugene G. Hamilton
Richard Ernest Kinzer

Burle Beauregard Madison
Paul Joseph O'Neill
Paul Quayle Peterson
Harry Osbourne Ryan
Carl K. Solander
Robert Healy Stevens
Grant Suttie
Russell Groves Trummel
Glen Hall Walker
James Bruce Waller

Class of 1938

Clifford Worden Atherton
John August Bowman, Jr.
Horace Pearse Christian
Edmund Roche Donoghue
Richard Lawrence Fruin
Jack Tilden Haskins
Wesley Eugene Peltzer
Lawrence William Peterson
William Nelson Piper, Jr.
Kenneth Lewis Pistorius
William Henry Requarth
Marion Masters Ricketts, Jr.
John Wesley Sheagren
Albert Frederick Roy Swatek
John Keay Wallace, II
Fred Miller Williams
Scottie Jackston Wilson
Kenneth John Winters

Class of 1939

G. William Arends
Raymond Francis Corpe
Edward Steven Lundgren
Carl Robert Newman
George Edward Twente
Ralph Strong Turner

Faculty Member Elected in 1936

Dr. Hugo O. Deuss

SIGMA XI

In the spring of 1928 the Society of Sigma Xi granted a charter for the organization of a chapter of this society at the College of Medicine of the University of Illinois. The society has for its object the promotion of research.

Officers for 1936-37.—Dr. Eric Oldberg, President; Dr. Olaf Bergeim, Vice-President; Dr. W. H. Welker, Secretary; Dr. Isadore Pilot, Treasurer; Dr. H. A. McGuigan, Dr. R. W. Keeton, and Dr. D. J. Davis, Elective members of the Executive Committee.

At the Annual Meeting, held May 28, 1936, Mr. John Bellamy Taylor, of the General Electric Company of Schenectady, delivered the scientific address on "The Electric Eye and the Human Eye."

Prize.—The annual Sigma Xi prize of $25.00 for the best piece of scientific investigation on the part of any student in the College of Medicine, the College of Dentistry, or the Graduate School, who is without a salaried appointment from the Board of Trustees, was awarded to Mr. Samuel Liebman for his work on "Relation of Available Water to Blood Volume in Various Clinical Conditions."

MEDICAL RESEARCH CLUB

The Medical Research Club meets once a month regularly for the discussion of original scientific contributions. Special meetings, at which invited scientists speak, are held as occasions arise.

Under a new constitution adopted on March 3, 1937, all persons engaged in scientific research in the Chicago departments of the University of Illinois are eligible to membership.

Officers for 1936-37.—Dr. C. I. Reed, *President;* Dr. Gerhardt von Bonin, *Secretary.*

Papers Read Before the Club, 1936-37

Wednesday, November 4, 1936

"The Control of Respiratory Rate and Amplitude through Reflexes from the Lungs," Dr. T. E. Boyd.

Thursday, December 3, 1936

"Some Factors Influencing Salt and Water Exchange," Dr. H. L. White.

Wednesday, December 9, 1936

"Therapy in Catatonia. The Effects of Combining Caffeine Sodiobenzoate with Sodium Amytal," Dr. S. B. BRODER.

"A Contribution to the Problem of Cutaneous Localization in Man," J. MEHLMAN and Dr. M. KAPLAN.

Wednesday, December 16, 1936

"Substitutes for Blood," Dr. W. R. AMBERSON.

Thursday, December 17, 1936

"The Physiological Significance of the Plasma Proteins," Dr. W. R. Amberson.

Wednesday, January 6, 1937

"Constitution and Personality," Dr. S. H. KRAINES.

"Proctoscopic Examinations—Diseases of Colon and Rectum," Dr. M. H. STREICHER.

Wednesday, January 13, 1937

"Hydrostatic Pressure in Muscle and Superficial Tissues of the Human Limbs in Relation to the Genesis of Edema," Dr. H. S. WELLS.

Thursday, January 14, 1937

"Studies on the Absorption and Secretion of Water by the Small Intestine," Dr. H. S. WELLS.

Wednesday, February 10, 1937

"The Hematogenic Liver Principle," Dr. G. E. WAKERLIN.

Wednesday, February 17, 1937

"The Physiological Control of Gastric Acidity and Its Bearing on Experimental Peptic Ulcer," Dr. C. M. WILHELMJ.

Wednesday, March 3, 1937

"Total Nitrogen Content of the Skeletal Muscle of the Rat," A. BARTOLI and Dr. H. C. STRUCK.

"The Embryological Development of the Naso-Palatine Duct," Dr. H. T. NOYES.

Wednesday, March 17, 1937

"On the Effect of CO_2 on the Blood Pressure Reaction to O_2 Lack," E. H. LAMBERT.

"An Improved Method for the Detection of Bile Pigments in the Urine," H. S. LAKIN.

Wednesday, April 7, 1937

"Motion Picture: Mesenteric Lymphatics of the Rat," Dr. R. L. WEBB.

"Experimental Infection of the Stomach with E. Histolytica," Dr. Y. JORANSON and Dr. J. SIMON.

Wednesday, April 14, 1937

"Mathematical Bio-Physics," Dr. N. RASHEVSKY.

Wednesday, May 5, 1937

"Adrenalin Effects on the Heart," Dr. GEORGE MILLES and Dr. P. W. SMITH.

"The Cerebral Cortex of the Capuchin Monkey," Dr. GERHARDT VON BONIN.

PHI MU PHI

(Physicians—Music—Fellowship)

The Glee Club of the College of Medicine of the University of Illinois offers to members in good standing the key of Phi Mu Phi. Voice try-outs are held at the beginning of the fall session, and students from the first-year and second-year classes who fulfill the qualifications embodied in the motto of the Club are selected.

STUDENT COUNCIL

The Student Council, composed of the president and three elected councilmen from each class, and the editor of the student paper, meets semi-monthly with the aim of discussing and solving problems of interest to the student body.

Fourth-Year

VICTOR LORBER, President
GEORGE JEROME KVIDERA
JEROME SAUL MEHLMAN
HARRY I. WEINER

Second-Year

MARION MASTERS RICKETTS, JR., Vice-President
HORACE PEARSE CHRISTIAN
ROWINE MAE HAYES
KENNETH JOHN WINTERS

Third-Year

HAROLD MARTIN ENGLE, Secretary
SODDIE JAMES BARKETT
RAYMOND FRANCIS CORPE
ROBERT RICE SNIVELY

First-Year

JOHN ROBERT ERWIN
JOHN ALLEN KEYS
ELWOOD FRANKLIN KORTMEIER
THEODORE ZANE POLICANDRIOTES

Illini Scope
MAX KAPLAN, Editor

DEGREES CONFERRED, 1936

Degree of Bachelor of Science in Medicine

Conferred in February, 1936

John Dempsie Boland
Theodore Jacob Dulin
Katherine Duncan
Everett George Falconer
Robert Vernon Ferrell
Henry Bernard Goldt
John Richard Heaton
Milton Lerner
Philip Milton Marcus
Paul Joseph O'Neill

Conferred in June, 1936

Edmund Roy Adler
George Frederick von Asch, with Honors
Harold Barnett
Samuel Berger
Ralph Carl Berkelhamer
Mark Bernstone
John August Bowman, Jr.
Abraham Brodsky
Jack E. Brooks
George Whitham Carlin, A.B.
Robert Elmer Cohenour
Bernard Isadore Coopersmith, with Honors
John Lewis Cutler
Patrick Thomas Dolan, Jr.
Edmund Roche Donoghue
Victor Murphy Dorris
DeSales Guillaume DuVigneaud
Alfred Stuart Ehrlich
Alfred Bernard Falk
Robert Alan Fantus
Fannie Finkelstein, with Honors
Leah Fisher
Richard George Fort
Isadore Friedman, with Honors
Jack Friedman
Leonard David Friedman
Rose Fromm
Richard Lawrence Fruin
Samuel Theodore Gerber
Ralph Gradman, with High Honors
Adeline S. Greenberg
Marvin Grubman, with Honors
Dominic Joseph Haftkowski
Earl Douglas Hamilton
Irving Handwerger
Thrift Gene Hanks
Martin Franklin Hanson
Jack Tilden Haskins
James Charles Havranek
Robert Clarence Hecker
Harold Herron
Milton Herzberg
Moris Horwitz
Frank Louis Jedlicka
Robert Joseph Jensik
Herman Joffe
Willard Z. Kerman
Meyer Kruglik
Edward Howard Lambert, with High Honors
Louis Sanford Lapid
Harry Lasin
Jerome Jack Lubin
Louis Malow
Gerald Joseph Menaker
Herbert Samuel Miller
Bernard Edward Moisant
George Ensley Moore, A.B.
Maurice David Pearlman, with Honors
William Nelson Piper
Kenneth Lewis Pistorius
Henry Ricewasser, A.B.
Marion Masters Ricketts, Jr.
Morris M. Rosenthal
Harold Jerome Rothenberg
Oscar Rushakoff, with Honors
Margaret Mary Scannell
Frederick Gleadall Simpson
Henry Fred Steinbock
Joseph Francis Steininger
David Henry Stern
Charles Henry Stubenrauch, Jr., with High Honors
Albert Frederick Swatek, with Honors
Sydney William Tauber
Leo Tepper, with Honors
Sidney Merrill Tepper
Annette V. Tesarik
John Vernon Thompson
John Keay Wallace, II
Jacob Walter
Joseph Eugene Walton
Arnold Harris Warshell
Leonard Lester Weil
Benjamin Abra Weinberg
Roy Cyril Weinstein
Charles Gilbert Weissman
George Joseph Wienman
Fred Miller Williams
Irwin Fox Williger
Warren Ashley Yemm

Conferred in October, 1936

Ernest Theodore Faigle
George Augustine Goder
Jerome Kaiser
Bernard M. Lipschultz

Bernard B. Neuchiller
Lawrence William Peterson
Harry N. Petrakos
John Wesley Sheagren
Milton Jerome Sneider

Certificate in Medicine

Presented in June, 1936

Harrie Pond Altman, Jr.
Herbert Jack Apfelberg, B.S.
George Harold Ashline, A.B., B.S.
Meyer Backer, Ph.C., B.S.
Milton Charles Baumann, B.S.
Arthur Berman
John Anthony Bielski
Samuel Mitchell Bluefarb, B.S.
George Wencil Bohr
Abraham Brodsky
Lester Paul Bunchman
Samuel Burack, B.S.
Edward Maurice Burns
Joseph Peter Cascino, B.S.
John Goolsby Cecil, B.S.
Ralph Chapman, B.S.
Chester Coggeshall, B.S.
Meyer Merle Cutler, B.S.
Duane Delbert Darling, B.S., with Honors
Sydney Alford Diamond, B.S.
Howard Ellsworth Dorton, B.S., with Honors
Irving Favus, B.S.
Paul Edward Feldman, B.S.
Robert Vernon Ferrell, B.S.
Jack Finkelstein, B.S.
Jacob C. Fleischer, B.S.
Leona Rosemary Fordon, B.S.
Harold S. Friedman, B.S.
Eugene Warren Gessler, B.S.
Alfred Josef Goldyne, B.S.
Joseph Robert Goran
Orville Eugene Gordon, B.S.
Gasper Asa Goshgarian
Morris Greenberg, B.S.
Jacob Grossblat, B.S.
Jack William Grossman, B.S.
Samuel Albert Gunn, B.S.
John Olaf Hanson, B.S.
George Melvin Harms, B.S.
John A. Havlicek, B.S.
Friedy B. Heisler, B.S.
Wade Frederic Heritage, B.S.
Paul Herzog, B.S.
Aaron Arthur Hilkevitch, B.S.
Allan Bonner Hirschtick, B.S.
Nathan Leonard Hoffenberg, B.S.
Maurice Thomas Horsman
Elfriede Horst, A.B.
Harold Dale Huff, B.S.
Kenneth Franklin Hughes, B.S.
William Addison Hutchison
Francis Marion Jacks, B.S.
Garland Uriah Jamison (as of March 20, 1936)
Natalia Julia Janicki, B.S.
Ernest Arthur Kahn, B.S.
Elmer John Kalal
John Stuart Kapernick, B.S.
Henry Kaplan, B.S.
Leo Abraham Kaplan
Selig Joel Kavka, B.S.
John Wesley Keyes, B.S.
Alfred Joseph Klein, B.S.
Ernest Sol Klein
William Philip Kleitsch, B.S.
Charles Donald Krause
Alfred John Kreft, B.S.
Ralph Kuhlman
Corinna Kurvinen, B.S.
Joseph Arthur Kwint, B.S.
Herman Boris Lander, B.S.
Gilbert George Lapid, B.S.
Harry Lasin
Philip Rankin Latta, B.S.
Fred Hunter Lawrence, A.B., B.S.
Edwin Harvey Lawson, B.S.
Arthur Bernard Levan, B.S., with Honors
Louis Levin, B.S.
Milton Jack Levisohn, B.S.
Roland Marco Levisohn, B.S.
Samuel Liebman, B.S.
Sol Ludmerer, B.S.
Emerson King McVey
Samuel M. Marcus, B.S.
Lloyd Louis Matzkin, B.S.
Simon Jacob Maydet, B.S.
Nathan Harry Miller
Felix Patrick Mooney
William Goodrich Motel, B.S.
Bernard Benjamin Neuchiller
Everett Jacob Olenick, B.S., with Honors
Edward Palmer, Ph.B.
Arthur Karl Peterson, B.S.
Theodore Algrid Poska, B.S.
Fred August Quenzer, B.S.
Samuel S. Reinglass, B.S.
Oliver Vernon Renaud, B.S.
Stanley Everett Robinson
Herbert Edgar Rubin, B.S.
Preston Walker Sawyer, B.S.
Louis Schlan, B.S.
Ernst Schmidhofer, Jr.
Samuel Louis Schreiber, Ph.C., B.S.
Joseph Schwartz, B.S.
Harry M. Segenreich, B.S.
Arthur Louis Shapiro, B.S.
Irene Shmigelski
Adam Slaw, B.S.

JOHN WALLACE STASTNY, B.S.
DAVID WILLIAM STEINBERG, B.S.
HAROLD STEINBERG
HYMAN SYDNEY STEINBERG, B.S.
DAVID HENRY STERN
ANTHONY EDWARD SUKIS
STANLEY EDWARD TELSER, A.B.
JAY DONALD TROTTER
ISADORE TURETSKY, B.S.
HYMEN LEON UDESKY, B.S.
CHESTER WADE, B.S.
WILLIAM STANLEY WALSH, B.S.
JOSEPH EUGENE WALTON
MILAN MICHAEL WASICK, B.S.
LEONARD LESTER WEIL
JACK WEINBERG
ROSS RUSSELL WELLER, A.B.
CLARENCE BENJAMIN WYNGARDEN, B.S.
JOSEPH JOHANAN YANOWITZ, B.S.
FRANCIS JOSEPH YOUNG, B.S.
TOMMY RICHARD YOUNG, B.S.
MARY ZELDES, A.B.
WILLIAM BERNARD ZELIK, B.S.
SIDNEY EDWARD ZIFFREN, B.S.
RAYMOND DUMONT ZIMONT, B.S.

Degree of Bachelor of Medicine

Conferred in June, 1936

HAROLD HENRY BOROS, B.S.
JOHN LEWIS CUTLER
CORINNE SCHENCK EDDY, Ph.B.
BENJAMIN EINHORN, B.S.
JOHN RICHARD TAYLOR, B.S.

Degree of Doctor of Medicine

(Conferred as of dates indicated)

JOEL E. ADAMS (July 1)
SAMUEL ALFRED ADLAND, B.S. (July 1)
BEN APPEL, B.S. (July 1)
ALFRED STONE ASH (July 1)
HAROLD JOSEPH BARYS, B.S. (June 8)
OSCAR JACOB BECKER (July 1)
MERRILL CHARLES BEECHER (July 1)
ROBERT DAVID BERKE (July 1)
ARMIN LOUIS BLAUFUSS, Ph.C. (July 1)
DANIEL EDWARD BOWERS (July 1)
DAVID MARVIN BROTMAN, B.M. (July 1)
EMILY BAER BROWNELL, B.S. (July 1)
ROBERT VERNON CARTER (July 1)
LOUIS CHABNER (July 1)
ISADORE HYMEN COHN, B.S. (July 1)
CLEMENT CLARK COLEMAN, B.S. (July 1)
GEORGE EDWARD COLYER, A.B., B.S. (July 1), with Honors
NATHAN SOLOMON DEUTSCH, B.S. (July 1)
NORMAN B. DOBIN, B.S. (July 1)
SIDNEY HARVEY DUBOE (July 1)
FRANK WAYNE EDEL, A.B. (July 1)
MAURICE GRAZIANO FARINACCI, B.S. (February 1)
THOMAS J. FITZPATRICK (July 1)
LAWRENCE EDWARD FOULKE, B.S. (July 1)
ROBERT FRIEDENBERG, A.B., B.M. (July 1)
CYRIL M. GALLATI (July 1)
HARVEY ENOCH GAYNES, B.S. (July 1)
ERVING FRANCIS GEEVER, B.S. (July 1)
GEORGE EVERETT GILMAN, A.B., B.S., M.S. (July 1)
JACOB A. GLASSMAN, B.S. (July 1)
IRWIN GLOBERSON (June 21)
AARON LOUIS GOLDBERG (July 1)
MANUEL GOLDFINE, B.S. (July 1)
ABRAHAM GORDAY, B.S. (July 1)
MARION LEE GORDON (June 8)
VINCENT JAMES GRECO (July 1)
MAURICE O. GROSSMAN, A.B., B.S. (July 1)
AARON GUNTHER, B.S. (July 1)
RUDOLF WILLIAM HACK, A.B., B.S. (September 30)
JACOB FRANCIS HAHN, B.S., M.S. (July 1)
ZIGMORE HARRIS, B.S. (July 1)
IRVING HASSEN, B.S. (July 15)
RICHARD TEAL HAVERSTOCK, B.S. (July 1)
JAMES HENRY HAWKES (July 1)
PAUL E. HEPNER, B.S. (July 1)
GEORGE RAY HILL (July 1)
H. SARGENT HOWARD, B.S. (July 1)
VICTOR H. HUNKEL, Ph.B. (July 1)
CARL IRENEUS, JR., B.S. (July 1)
JOHN HICK JOHNSTONE, B.S. (July 1)
WILLIAM HENRY KAEISER (July 1)
JOSEPH T. KAMINSKAS (July 1)
JACK R. KAREL, B.S. (July 1)
CHARLES KATZ, B.S. (July 1)
JEROME DAVID KAUFMAN (December 31)
ROBERT STEPHEN KELLER (July 1)
GEORGE KIEVE KEPPLEMAN, B.S. (July 1)
ADELBERT HERMAN KLEIN, B.S. (July 1)
WILLIAM NELK KNUDSEN, A.B. (December 31)
HAROLD JAY KOCH, B.S. (December 12)
GEORGE LEWIS KRAFT, B.S. (December 31)
SHERBURNE KRIEGER, B.S. (July 15)
EMERSON C. KUNDE, A.B., B.S. (July 1)
MILTON ELMER KURTH, B.S. (July 1)
ALBERT THOMAS KWEDAR, B.S. (July 1)
HERBERT LANG, B.S. (June 8)
HARRY LAZAR, B.S. (July 1)

Louis Samuel Lerner, B.S. (July 1)
Sydney S. Levine, B.S. (July 1)
William Wayne Lockwood, B.S. (July 1)
Katherine MacEachern, B.S. (July 1)
Irwin Harry Makovsky, B.S. (July 1)
Harold Marks, A.B., B.S. (July 1)
Aaron S. Mason, B.S. (July 1)
Lorrell Edward Messman, B.S. (July 1)
Ira Robert Morrison, A.B., B.S. (July 1)
James Joseph Murphy, B.S. (July 1)
Charles Arthur Nelson (July 1)
Samuel Nieder, B.S. (September 30)
Winston K. Nix (July 1)
Franklin Arnold Olson, B.S. (July 1)
John Parke, B.S. (July 1)
Matthew Platt (July 1)
Oscar M. Plotkin, B.S. (July 1)
Harold Price, Ph.G. (July 1)
Leonard Price, B.S. (August 7)
Joseph Raider (July 1)
James Stedman Reynolds, B.S. (July 1)
Keith Rhea, B.S. (July 1)
Frederick Jasper Ricketts, B.S. (July 1)
Sidney Sigmund Rooth, B.S. (July 1)
Benjamin Bernard Rosen (August 31)
Jack Rosenberg (July 1)
Samuel William Rosenberg (December 31)
Irving Hyman Rosenthal, B.S. (June 15)
Mandel Sachs (December 31)
Robert Edward Schettler, B.S. (July 1)
Herbert A. Schiller, Ph.C., B.S. (December 31)
John Lavine Schilsky, B.S. (July 1)
Kenneth Fosnes Schneider, B.S. (July 1)
Leonard Jerome Schwade (June 15)
Frank C. Sedlak, B.M. (July 1)
William Frederick Seifert (September 30)
Alexander Joseph Shimkus, B.S. (July 1)
Harry I. Shulruff, B.S. (July 1), with Honors
Joseph Howard Siegfried (July 1)
Jerome Joel Sievers, Ph.G., (July 1)
Robert James Sigler, B.S. (July 1)
Pasche Silvert (July 1)
Danely Philip Slaughter, B.S. (July 1)
Manuel Slavin, A.B. (July 1)
Clarence William Smith, Ph.C. (July 1)
Roger Francis Sondag, B.S. (July 1)
Raymond Elmer Sorenson, B.S. (July 1)
Adelbert L. Spiller, B.S. (July 1)
Bertram Spira, B.S. (December 31)
Albert Elon Steer, B.S. (July 1)
Albert Frank Stein, B.S. (July 1)
Richard Vawter Stevenson, B.S. (July 1)
Samuel Lloyd Stout, Ph.C. (July 1)
Edward A. Tappan, B.S. (July 1)
Aloysious Felix Tasch, B.S. (July 1)
Russell Kenneth Taubert (July 1)
Leroy Thomas Telford (March 15)
Frank Joseph Tesar, B.S. (July 1)
Milton Tinsley, B.S. (December 31), with Honors
Jack Wagner (July 1)
Morris Waisman, B.S. (July 1), with High Honors
Leonard Weissman H., B.S. (September 30)
Raymond Benedict White, A.B., B.S. (July 1)
Charles LeRoy Wunsch (July 1)

REGISTER OF STUDENTS, 1936-37

Fifth-Year Class—Hospital Appointments for 1936-37

(Unless otherwise noted, hospitals are located in Chicago)

Altman, Harrie Pond, Jr., Grant Hospital.
Apfelberg, Herbert Jack, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Ashline, George Harold, A.B., B.S., Shriners' Hospital for Crippled Children; Augustana Hospital.
Backer, Meyer, Ph.C., B.S., Elgin State Hospital, Elgin, Illinois; Cook County Hospital.
Baumann, Milton Charles, B.S., Ancker Hospital, St. Paul, Minnesota.
Berman, Arthur, Frances E. Willard Hospital.
Bielski, John Anthony (deceased), St. Mary of Nazareth Hospital.
Bluefarb, Samuel Mitchell, B.S., Cook County Hospital.
Bohr, George Wencil, St. Anne's Hospital.
Boros, Harold Henry, B.S., B.M., Edgewater Hospital.
Brodsky, Abraham, B.S., Jackson Park Hospital.
Bucher, Ray Elwood, St. Joseph's Hospital.
Bunchman, Lester Paul, St. Joseph's Hospital, Ft. Wayne, Indiana.
Burack, Samuel, B.S., Chicago State Hospital, Dunning, Illinois; Cook County Hospital.
Burns, Edward Maurice, St. Anthony's Hospital.
Cascino, Joseph Peter, B.S., Research and Educational Hospital.
Cecil, John Goolsby, B.S., St. Joseph Hospital, Denver, Colorado.
Chapman, Ralph R., B.S., Los Angeles County General Hospital, Los Angeles, California.
Coggeshall, Chester, B.S., St. Luke's Hospital.
Cutler, John Lewis, B.S., B.M., Dr. Groves' L.D.S. Hospital, Salt Lake City, Utah.
Cutler, Meyer Merle, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Darling, Duane Delbert, B.S., Michael Reese Hospital.
Diamond, Sydney Alfred, B.S., Cook County Hospital.
Dorton, Howard Ellsworth, B.S., Cook County Hospital.
Eddy, Corinne Schenck, Ph.B., B.M., Lutheran Memorial Hospital.
Einhorn, Benjamin, B.S., B.M., Los Angeles County General Hospital, Los Angeles, California.
Faden, Gerson, A.B., Jackson Park Hospital.
Favus, Irving, B.S., Cook County Hospital.
Feldman, Paul Edward, B.S., St. Elizabeth's Hospital.
Ferrell, Robert Vernon, B.S., Grant Hospital.
Filip, Joseph Henry, B.S., St. Anne's Hospital.
Finkelstein, Jack, B.S., Cook County Hospital.
Fleischer, Jacob, B.S., St. Catherine's Hospital, East Chicago, Indiana.
Fordon, Leona Rosemary, B.S., Research and Educational Hospital.
Friedman, Harold S., B.S., Edgewater Hospital.
Gessler, Eugene Warren, B.S., Santa Rosa Hospital, San Antonio, Texas.
Goldyne, Alfred Josef, B.S., Lutheran Memorial Hospital.
Goran, Joseph Robert, St. Luke's Hospital, Cedar Rapids, Iowa.
Gordon, Orville Eugene, B.S., Cook County Hospital.
Goshgarian, Gasper Asa, St. Elizabeth's Hospital, Appleton, Wisconsin.
Greenberg, Morris, B.S., Lutheran Deaconess Hospital; Cook County Hospital.
Grossblat, Jacob, B.S., Los Angeles County General Hospital, Los Angeles, California.
Grossman, Jack William, B.S., Research and Educational Hospital.
Gunn, Samuel Albert, B.S., Jackson Park Hospital.
Hanson, John Olaf, B.S., Ancker Hospital, St. Paul, Minnesota.
Harms, George Melvin, B.S., U. S. Marine Hospital, New Orleans, Louisiana.
Havlicek, John A., B.S., St. Anne's Hospital.
Heisler, Friedy B., B.S., Michael Reese Hospital.
Heritage, Wade Frederic, B.S., Illinois Central Hospital.
Herzog, Paul, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Hilkevitch, Aaron Arthur, B.S., Cook County Hospital.
Hirschtick, Allan Bonner, B.S., Cook County Hospital.
Hoffenberg, Nathan Leonard, B.S., St. Mary's Hospital, East St. Louis, Illinois.
Horsman, Maurice Thomas, Methodist Episcopal Hospital, Indianapolis, Indiana.
Horst, Elfriede, A.B., Los Angeles County General Hospital, Los Angeles, California.
Huff, Harold Dale, B.S., Iowa Lutheran Hospital, Des Moines, Iowa.
Hughes, Kenneth Franklin, B.S., Missouri Baptist Hospital, St. Louis, Missouri.
Hutchison, William Addison, Grant Hospital.
Jacks, Francis Marion, B.S., Research and Educational Hospital.
Jamison, Garland Uriah, A.B., City Hospital No. 2, St. Louis, Missouri.
Janicki, Natalia Julia, B.S., Mercy Hospital, Cedar Rapids, Iowa.
Kahn, Ernest Arthur, B.S., Edgewater Hospital.
Kalal, Elmer J., Alexian Brothers Hospital.
Kapernick, John Stuart, B.S., Ancker Hospital, St. Paul, Minnesota.
Kaplan, Henry, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Kaplan, Leo Abraham, Cook County Hospital.
Kaufman, Jerome D.
Kavka, Selig Joel, B.S., Mt. Sinai Hospital.
Keyes, John Wesley, B.S., Henry Ford Hospital, Detroit, Michigan.
Klein, Alfred Joseph, B.S., St. Luke's Hospital.
Klein, Ernest S., St. Elizabeth's Hospital.
Kleitsch, William Philip, B.S., Research and Educational Hospital.
Knudsen, William Nelk, A.B., Cook County Hospital.
Koch, Harold Jay, B.S., Los Angeles County Hospital, Los Angeles, California.
Kraft, George Lewis, B.S., Cook County Hospital.
Krause, Charles Donald, Milwaukee County Hospital, Wauwatosa, Wisconsin.
Kreft, Alfred John, B.S., Cook County Hospital.
Kuhlman, Ralph, Grant Hospital.
Kurvinen, Corinna, B.S., Los Angeles County General Hospital, Los Angeles, California.
Kwint, Joseph Arthur, B.S., St. Francis Hospital, Trenton, New Jersey.
Lander, Herman Boris, B.S., Columbus Hospital; Michael Reese Hospital.
Lapid, Gilbert George, B.S., Mt. Sinai Hospital.
Lasin, Harry, B.S., Los Angeles County General Hospital, Los Angeles, California.
Latta, Philip Rankin, B.S., Ravenswood Hospital.
Lawrence, Fred Hunter, A.B., B.S., Southern Pacific General Hospital, San Francisco, California.
Lawson, Edwin Harvey, B.S., Chicago Memorial Hospital.
Levan, Arthur Bernard, B.S., M.S., Michael Reese Hospital.
Levin, Louis, B.S., Mother Cabrini Hospital.

Levisohn, Milton Jack, B.S., St. Mary's Hospital, Grand Rapids, Michigan; Cook County Hospital.
Levisohn, Roland Marco, B.S., Mercy Hospital, Muskegon, Michigan; Cook County Hospital.
Liebman, Samuel, B.S., M.S., Research and Educational Hospital.
Ludmerer, Solomon, B.S., Evangelical Hospital.
Marcus, Samuel M., B.S., Cook County Hospital.
Matzkin, Lloyd Louis, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Maydet, Simon Jacob, B.S., Jackson Park Hospital.
McVey, Emerson King, St. Joseph's Hospital.
Miller, Nathan Harry, Evangelical Hospital.
Mooney, Felix Patrick, Lutheran Memorial Hospital.
Motel, William Goodrich, B.S., Michael Reese Hospital.
Neuchiller, Bernard Benjamin, B.S., St. Elizabeth's Hospital.
Olenick, Everett J., B.S., M.S., Michael Reese Hospital.
Palmer, Edward, Ph.B., Research and Educational Hospital.
Peal, Leonard, St. Elizabeth's Hospital.
Peterson, Arthur Karl, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Poska, Theodore Algird, B.S., Gorgas Hospital, Panama, Canal Zone.
Quenzer, Fred August, B.S., St. Anne's Hospital.
Reinglass, Samuel S., B.S., Cook County Hospital.
Renaud, Oliver Vernon, B.S., Kings County Hospital, Brooklyn, New York.
Robinson, Stanley Everett, Swedish Covenant Hospital.
Rosen, Irving Isadore, B.S., Cook County Hospital.
Rosenberg, Samuel William, Cook County Hospital.
Rubin, Herbert Edgar, B.S., Cook County Hospital.
Rubisoff, Reuben, B.S.
Sachs, Mandel, Research and Educational Hospital.
Salberg, Seymour R., B.S., Cook County Hospital.
Sawyer, Preston Walker, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Schiller, Herbert A., Ph.C., B.S., Cook County Hospital.
Schlan, Louis, B.S., St. Elizabeth's Hospital.
Schmidhofer, Ernst, Jr., Ravenswood Hospital.
Schreiber, Samuel Louis, Ph.C., B.S., Cook County Hospital.
Schwartz, Joseph, B.S., Mother Cabrini Hospital.
Segenreich, Harry, B.S., Chicago State Hospital, Dunning, Illinois; Kings County Hospital, Brooklyn, New York.
Shapiro, Arthur Louis, B.S., Mt. Sinai Hospital.
Shmigelski, Irene, Women's and Children's Hospital.
Silbert, David B., St. Joseph's Hospital, Joliet, Illinois; Cook County Hospital.
Slaw, Adam, B.S., St. Francis Hospital, Peoria, Illinois.
Spira, Bertram, B.S., Cook County Hospital.
Stastny, John Wallace, B.S., West Suburban Hospital, Oak Park, Illinois.
Steinberg, David William, B.S., St. Elizabeth's Hospital.
Steinberg, Harold, Michael Reese Hospital.
Steinberg, Hyman Sydney, B.S., Los Angeles County General Hospital, Los Angeles, California.
Stern, David Henry, B.S., Grant Hospital.
Sukis, Anthony Edward, Holy Cross Hospital.
Taylor, John Richard, B.S., B.M., Illinois Central Hospital.
Telser, Stanley Edward, A.B., Cook County Hospital.
Tinsley, Milton, B.S., Michael Reese Hospital.
Trotter, Jay Donald, Missouri Baptist Hospital, St. Louis, Missouri.
Tresley, Ira, B.S., Cook County Hospital.
Udesky, Hymen Leon, B.S., University Hospital; Cook County Hospital.
Wade, Chester, B.S., M.S., Englewood Hospital.
Walsh, William Stanley, B.S., Englewood Hospital.
Walton, Joseph Eugene, B.S., Illinois Masonic Hospital.
Wasick, Milan Michael, B.S., Englewood Hospital.
Weil, Leonard Lester, B.S., Michael Reese Hospital.
Weinberg, Jack, St. Elizabeth's Hospital.
Weller, Ross Russell, A.B., Edgewater Hospital.
Wyngarden, Clarence Benjamin, B.S., Swedish Covenant Hospital.
Young, Francis Joseph, B.S., Little Company of Mary Hospital, Evergreen Park, Illinois.
Young, Joseph Johanan, B.S., St. Elizabeth's Hospital.
Young, Tommy Richard, B.S., City Hospital, St. Louis, Missouri.
Zeldes, Mary, A.B., Cook County Hospital.
Zelik, William Bernard, B.S., St. Mary of Nazareth Hospital.
Ziffren, Sidney Edward, B.S., University Hospital, Iowa City, Iowa.
Zimont, Raymond Dumont, B.S., Epworth Hospital, South Bend, Indiana.

Fourth-Year Class, 1936-37

(With hospital appointments for 1937-38)

Abrams, Morris, B.S., Butterworth Hospital, Grand Rapids, Michigan.
Alion, J. Joseph, B.S., Edgewater Hospital.
Argent, Albert Harry, St. Catherine's Hospital, East Chicago, Indiana.
Atkinson, Willis Hugh, St. Francis Hospital, Peoria, Illinois.
Baker, Dorothy Muriel, Research and Educational Hospital.
Barbakoff, Arthur Louis, B.S., Grant Hospital.
Bernstein, Sidney Morris, Mt. Carmel Hospital, Columbus, Ohio.
Biddlecombe, Duncan, B.S., Cook County Hospital.
Boland, John Dempsie, B.S., St. Anne's Hospital.
Brown, Bruce Morgan, B.S., St. Luke's Hospital.
Brown, Leo Jerome, B.Ed., B.S., City Hospital, St. Louis, Missouri.
Buck, Leonard Sumner, B.S., Los Angeles County Hospital, Los Angeles, California.
Burdick, Maurice Saul, B.S., St. Mary of Nazareth Hospital.
Burley, Robert DeForrest, B.S., Ancker Hospital, St. Paul, Minnesota.
Bush, George, B.S., Cedars of Lebanon Hospital, Los Angeles, California.
Carr, Herman John Edward.
Cassidy, Alfred Hilton, B.S., West Suburban Hospital, Oak Park, Illinois.
Chapman, Bernard Manuel, B.S.
Cohen, Meyer Barney, B.S., Cook County Hospital.
Cohen, Theodore Michael, B.S., Cook County Hospital.

Cohrs, Clarence, B.S., Illinois Central Hospital.
Cousens, Marshall A., B.S., St. Catherine's Hospital, East Chicago, Indiana.
Davis, Earl Scott, Kansas City General Hospital, Kansas City, Kansas.
Dearborn, Robert Fuller, B.S., Methodist Hospital, Madison, Wisconsin.
Desulis, Bruno Anton, Grant Hospital.
DeTrana, Frank, Milwaukee County Hospital, Wauwatosa, Wisconsin.
Deutsch, Harry Louis, B.S., Chicago Memorial Hospital.
Dick, Donald, A.B., Grant Hospital.
Ditkowsky, Sol Paul, B.S., Cook County Hospital.
Dulin, Theodore Jacob, B.S., General Hospital, Seattle, Washington.
Duncan, Katherine, B.S., Hurley Hospital, Flint, Michigan.
Dunn, Maurice, B.S., Mt. Sinai Hospital.
Eisendorf, Lester Horrow, B.S., St. Mary of Nazareth Hospital.
Fabian, Sydney, St. Catherine's Hospital, East Chicago, Indiana.
Faigle, Ernest Theodore, Ph.C., B.S., Swedish Covenant Hospital.
Faingold, Joseph Edwin, Ph.C., B.S., Jackson Park Hospital.
Falconer, Everett G., B.S., Garfield Park Hospital.
Falk, Philip, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Feldman, Abraham William, B.S., Edgewater Hospital.
Firfer, Bourke, B.S., Jackson Park Hospital.
Fleischli, Franz Karl, B.S., University Hospital; Cook County Hospital.
Fox, Robert George, B.S., Ravenswood Hospital.
Frank, Mitchell Louis, B.S., Cedars of Lebanon Hospital, Los Angeles, California.
Freeman, Wendel Rayburn, Research and Educational Hospital.
Gage, Maxwell, B.S., St. Elizabeth's Hospital, Lincoln, Nebraska.
Gaynon, Irwin Earle, B.S., Evangelical Deaconess Hospital, Milwaukee, Wisconsin.
Gertz, George Joseph David, B.S., Cook County Hospital.
Gilman, William Nimmo, A.B., B.S., Grant Hospital.
Gladstone, Herman, B.S.
Goldt, Henry Bernard, B.S., St. Elizabeth's Hospital.
Green, Alan D., Lutheran Deaconess Hospital.
Grossman, Milton David, St. Joseph's Mercy Hospital, Sioux City, Iowa.
Hagele, Marie Anna, B.S., M.S., Research and Educational Hospital.
Hamilton, Eugene Green, St. Mary's Group (University) Hospital, St. Louis, Missouri.
Hammatt, Harold Wayne, B.S., Alexian Brothers Hospital.
Heaton, John Richard, B.S., St. Elizabeth's Hospital, Lafayette, Indiana.
Heinrich, Jerome Fredrick, B.S., Cook County Hospital.
Hess, Edmond Richard, B.S., Cook County Hospital.
Heyer, Howard Eugene, B.S., St. Luke's Hospital.
Hora, James Leopold, Ph.C., B.S., St. Anthony de Padua Hospital.
Isovitz, Isadore, B.S., Cook County Hospital.
Jackman, Abraham Izzak, B.S., St. Margaret's Hospital, Hammond, Indiana.
Jacobs, Henry Joseph, B.S., St. Luke's Methodist Hospital, Cedar Rapids, Iowa.
Janis, Joseph Charles, A.B.
Jenkins, Hilerd Westley, A.B., Cook County Hospital.
Kagen, Leonard Alvin, B.S., Cook County Hospital.
Kannapel, Lowell Edwin, A.B., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Kantor, Samuel, B.S., Cook County Hospital.
Kaplan, Isadore Allan, B.S., Mt. Sinai Hospital.
Kaplan, Joseph Harold, B.S., Cook County Hospital.
Kaplan, Max, A.B., Michael Reese Hospital.
Kinser, Walter Curtis, B.S., Englewood Hospital.
Kinzer, Richard Ernest, Ravenswood Hospital.
Klapman, Martin John, B.S., Alexian Brothers Hospital.
Klokke, Karl, B.S., Evangelical Hospital.
Kobrin, Meyer Walter, B.S., St. Catherine's Hospital, East Chicago, Indiana.
Kolb, Leonard Hyman, B.S., Mt. Sinai Hospital.
Kotas, Walter S., B.S., St. Luke's Hospital, Denver, Colorado.
Kushner, Meyer, B.S., American Hospital.
Kvidera, George Jerome, B.S., West Suburban Hospital, Oak Park, Illinois.
Lack, Herbert, B.S., Cook County Hospital.
Lakin, Herbert Sol, B.S., Cook County Hospital.
Lattuada, Henry Peter, B.S., City Hospital, St. Louis, Missouri.
Lenz, Charles Richard, Jr., B.S., Bethel Hospital, Colorado Springs, Colorado.
Lepak, Alfred Joseph, West Suburban Hospital, Oak Park, Illinois.
Lerner, Milton, B.S., Los Angeles County Hospital, Los Angeles, California.
Levenson, Joseph Milton, B.S., Englewood Hospital.
Levin, Myron Jame, B.S., Woodlawn Hospital.
Levine, Edward, B.S., Cook County Hospital.
Lipschultz, Bernard M., B.S., Cook County Hospital.
Logsdon, Robert Eugene, Illinois Central Hospital.
Long, Gabe Celsor, Indianapolis City Hospital, Indianapolis, Indiana.
Lorber, Maurice, B.S., Research and Educational Hospital.
Lorber, Victor, B.S., Michael Reese Hospital.
Luke, Edward Albert, B.S., United States Public Health Service.
Madison, Burle Beauregard, Milwaukee County Hospital, Wauwatosa, Wisconsin.
Marcus, Philip Milton, B.S.
McInerney, Thomas Anthony, B.S., St. Anne's Hospital.
Mehlman, Jerome Saul, A.B., Michael Reese Hospital.
Melamed, Abraham, B.S., Mt. Sinai Hospital, Milwaukee, Wisconsin.
Mitchell, Joseph Rudolph, Provident Hospital.
Moldavsky, Leon Frank, A.B., M.S., Mt. Sinai Hospital, Cleveland, Ohio.
Mosher, Martin Luther, Jr., B.S., Illinois Central Hospital.
Murphy, Raymond B., B.S., Cook County Hospital.
Nielsen, Ernest Mark, William Beaumont General Hospital, El Paso, Texas.
O'Connor, Dorothy Kathryn, A.B., B.S., Cook County Hospital.
Olsman, Louis, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
O'Neill, Paul Joseph, A.B., B.S., M.S., Cook County Hospital.
Palumbo, Carl, Mother Cabrini Hospital.
Pearlman, Sol, Ph.B., Mt. Sinai Hospital.
Peck, Hyman, Ph.C., B.S., Jackson Park Hospital.
Perlmutter, Louis Judea, B.S., Los Angeles County Hospital, Los Angeles, California.
Peterson, Paul Quayle, B.S., Bethesda Hospital, Cincinnati, Ohio.
Potter, George Vernon, B.S., Southern Pacific General Hospital, San Francisco, California.
Reifler, Reuben Max, Ph.G., B.S., Cook County Hospital.
Robin, Milton, B.S., St. Elizabeth's Hospital.
Rosenberg, William, B.S., Cook County Hospital.

Rosenblatt, Albert Hessel, B.S., Roseland Community Hospital.
Rothschild, Robert Ruby, B.S., Edgewater Hospital.
Ryan, Harry Osbourne, Jr., B.S., St. Luke's Hospital.
Sanders, Zal Hyman, B.S., Edgewater Hospital.
Sauer, Francis Eugene, B.S., Mercy Hospital, Canton, Ohio.
Scannell, Margaret Mary, B.S., Norwegian-American Hospital.
Schwartz, Walter William, B.S., Cook County Hospital.
Shriner, Walter, B.S., M.S., West Suburban Hospital, Oak Park, Illinois.
Sirles, Wayne Pulley, B.S., City Hospital, St. Louis, Missouri.
Smith, Herschel Stanley, A.B., Missouri Methodist Hospital, St. Joseph, Missouri.
Smollar, Leo, Los Angeles County Hospital, Los Angeles, California.
Solander, Carl K., B.S., Grant Hospital.
Sosson, Edward, B.S., Cook County Hospital.
Spencer, Robert Andrew, B.S., Cook County Hospital.
Spinka, Isadore, B.S., Cook County Hospital.
Steiner, William Edward, B.S., Research and Educational Hospital.
Stevens, Robert Healy, B.S., Ancker Hospital, St. Paul, Minnesota.
Suttie, Grant, B.S., Grant Hospital.
Svetanov, Vladimir Christov, B.S., Indianapolis City Hospital, Indianapolis, Indiana.
Teborek, Roy Frank, B.S., St. Anthony de Padua Hospital.
Tobias, Milton R., Jackson Park Hospital.
Trummel, Russell Groves, B.S., M.S., St. Francis Hospital, Peoria, Illinois.
Walker, Glen Hall, St. Joseph's Hospital, Phoenix, Arizona.
Waller, James Bruce, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Wasserman, Reuben Robert, B.S., University Hospital.
Wassermann, David, B.S., New York City Hospital, New York, New York.
Weichselbaum, Paul K., B.S., Research and Educational Hospital.
Weiner, Harry I., B.S., St. Margaret's Hospital, Hammond, Indiana.
Williams, Maybelle P., B.S.
Williamson, Ben K., B.S., United States Marine Hospital.
Winer, Allen Edward, B.S., Mt. Sinai Hospital.
Wright, William Henry, B.S., Research and Educational Hospital.
Ziegler, Dillman Forbes, B.S., St. Anne's Hospital.
Zuska, Joseph John, B.S.

Third-Year Class, 1936-37

Adler, Edmund Roy, B.S.
Albin, Meyer Stanley
Asch, George Frederick von, B.S.
Atherton, Clifford Worden
Bailis, Jack Mark
Ballou, John William
Barnett, Harold, B.S.
Baumgartner, Wilbur Whittler, B.S.
Benson, Raymond Emanuel
Berger, Samuel, B.S.
Berkelhamer, Ralph Carl, B.S.
Bernstone, Mark, B.S.
Bielinski, Brunon, A.B., B.S.
Blaha, George Charles, B.S.
Bond, C. Spencer
Bowman, John August, Jr., B.S.
Brooks, Jack E., B.S.
Brown, Paul Hart, B.S.
Carlin, George Whitham, A.B., B.S.
Christian, Horace Pearse, B.S.
Cohenour, Robert Elmer, B.S.
Cohn, Arnold Melvin
Cohn, Philip Edward
Coopersmith, Bernard Isadore, B.S.
Dolan, Patrick Thomas, B.S.
Donoghue, Edmund Roche, B.S.
Dorris, Victor Murphy, B.S.
Du Vigneaud, De Sales Guillaume, B.S.
Eagleston, Fred Leroy, Jr., B.S.
Ehrlich, Alfred Stuart, B.S.
Einhorn, Harold
Falk, Alfred Bernard, B.S.
Fantus, Robert Alan, B.S.
Fash, James Cone
Feinberg, Kenneth Hirsch
Feldman, Edward George
Finkelstein, Fannie, B.S.
Fisher, Leah, B.S.
Flexman, Edmund Arthur, A.B.
Fort, Richard George, B.S.
Friedman, Isadore, B.S.
Friedman, Jack, B.S.
Friedman, Leonard David, B.S.
Fromm, Rose, B.S.
Fruin, Richard Lawrence, B.S.
Fuqua, Harold Boyd
Gerber, Samuel Theodore, B.S.
Goder, George Augustine, B.S.
Goldstein, Robert Maurice, Ph.B.
Gradman, Ralph, B.S.
Greenberg, Adeline S., B.S.
Gregory, Gus Devatenos
Grubman, Marvin, B.S.
Gutman, Emil, B.S.
Haftkowski, Dominic Joseph, B.S.
Hallett, Joseph Jacob, A.B.
Hamilton, Earl Douglas, B.S.
Handwerger, Irving, B.S.
Hanson, Martin Franklin, B.S.
Hart, Robert Dean
Haskins, Jack Tilden, B.S.
Havranek, James Charles, B.S.
Hayes, Rowine Mae
Haynes, Walter George
Hecker, Robert Clarence, B.S.
Helfrich, Loring Smith, B.S.
Hellrung, Cecilia Marian, A.B.
Herron, Harold, B.S.
Herzberg, Milton, B.S.
Hlavacek, Louis Joseph, B.S.
Horwitz, Moris, B.S.
Howard, Wayne Cox, B.S.
Irons, Edward Pace
Iuppa, Nicholas Victor
Jedlicka, Frank Louis, B.S.
Jensik, Robert Joseph, B.S.
Joffe, Herman, B.S.
Kaiser, Jerome, B.S.
Kelly, Delbert Cleo
Kemp, Karlton Hubert
Kerman, Willard Z., B.S.
Klein, Max Edward, B.S.
Kruglik, Meyer, B.S.
Lambert, Edward Howard, B.S.
Lane, Paul Lilja, D.D.S.
Lapid, Louis Sanford, B.S.
Lerner, Sydney Alexander
Leverenz, Carleton Walter, Ph.G.
Levin, Jack, Ph.C., B.S.
Lubin, Jerome Jack, B.S.
Malow, Louis, B.S.
Menaker, Gerald Joseph, B.S.
Merret, Russell John
Meyer, Benjamin Samuel, Ph.B.
Miller, Herbert Samuel, B.S.
Moisant, Bernard Edward, B.S.
Moore, George Ensley, A.B., B.S.
Morgan, George Edward
Nagoda, Edward Joseph
Nesmith, Harry DeWitt, B.S.

Nowak, Henry Joseph, B.S.
O'Connor, John William
Olson, Stanley William, B.S.
O'Neil, George Joseph
Patterson, Roy Lee
Pearlman, Maurice David, B.S.
Peltzer, Wesley Eugene
Perrella, Edward Joseph
Peters, Clifford Henry, B.S.
Peterson, Lawrence William, B.S.
Petkus, Antonie
Petrakos, Harry Nick, B.S.
Piper, William Nelson, Jr., B.S.
Pistorius, Kenneth Lewis, B.S.
Popilsky, Harry I.
Premuda, Franklin Fred, A.B.
Prucher, Louis Robert
Purvey, Jack Compton
Reeser, Wayne, B.S.
Requarth, William Henry
Ricewasser, Henry, A.B., B.S.
Ricketts, Marion Masters, Jr., B.S.
Rosenthal, Morris M., B.S.
Rothenberg, Harold Jerome, B.S.
Rushakoff, Oscar, B.S.
Ryde, Robert Emerson
Sandor, Abraham, B.S.
Sargent, William Farthing
Schaffer, Bernard J.
Schwartz, Merle Harold, A.B.
Sheagren, John Wesley, B.S.
Shulman, Myer
Simpson, Frederick Gleadall, B.S.
Smith, Lester Lawrence, A.B.
Sneider, Milton Jerome, B.S.
Spira, Samuel B., B.S.
Steinbock, Henry Fred, B.S.
Steininger, Joseph Francis, B.S.
Stubenrauch, Charles Henry, Jr., B.S.
Swatek, Albert Frederick Roy, B.S.
Sweitzer, Caesar, B.S.
Tauber, Sydney William, B.S.
Tavris, Hyman
Taylor, Jack
Tepper, Leo, B.S.
Tepper, Sidney Merrill, B.S.
Tesarik, Annette Vera, B.S.
Thompson, John Vernon, B.S.
Wagner, Merrill Weinert
Wallace, John Keay, II, B.S.
Walter, Jacob, B.S.
Waniata, George Norman, Ch.E.
Warshell, Arnold Harris, B.S.
Weinberg, Benjamin Abra, B.S.
Weinstein, Roy Cyril, B.S.
Weintraub, Jerome
Weissman, Charles Gilbert, B.S.
Wienman, George Joseph, B.S.
Williams, Fred Miller, B.S.
Williger, Irwin Fox, B.S.
Wilson, Scottie Jackston, B.S.
Winters, Kenneth John, A.B.
Yaffe, Bernard
Yemm, Warren Ashley, B.S.

Second-Year Class, 1936-37

Adams, Vail Burdette
Adland, Morris A.
Anderson, Donald William
Anderson, Stanley Edward
Archer, Lendall Dee
Arends, G. William
Barkett, Soddie James
Barringer, Floyd Samuel
Bartoli, Adolph, Jr.
Becker, Leonard Albert
Beebe, Robert Archie
Binder, Paul
Bocian, Jack James
Boeke, Emmert George
Borshevsky, George
Brazda, Ctimir Silas, D.D.S.
Brebis, George Joseph
Brown, Theodore Wallingford
Brown, William John
Buchholz, Alexander Maurice
Buckley, Joseph Harry
Campbell, Michael Joseph
Carstens, Herman Paul, B.S.
Chasten, Stephen Matthew
Cooper, George Joseph
Corpe, Raymond Francis, B.S.
Crocker, Melvin Hugh
Cumming, Thomas Stewart
Curtis, David Thomas
Danishek, Emil Stephan
Derengoski, Cornell Leonard, B.S.
Diamondstone, Albert Harold
Domm, Sheldon E., A.B., A.M.
Dorne, Ralph Marvin
Drell, Maurice Joseph
Dworin, Jack Walter
Ehrlich, Louis, Ph.C.
Ehrlich, Norman James
Engle, Harold Martin
Engstrom, Robert Berger, A.B.
Esposito, Peter Thomas
Fagman, Emanuel Bass
Farr, Edith Lettye
Foster, Lawrence Edmund
Frantz, Kieffer Evans
Freier, Morton Laurence
Gardner, Leon Philip
Gerber, Harold Xen
Geyer, Norman Byron, A.B.
Goldman, Samuel
Goodson, Samuel Bernard
Gordon, Hyman Harry
Gossom, Donn Roberts
Gregorio, John Theodore
Grimm, Harold Anthony
Grossman, Edward Stanley
Grossman, William Louis
Groth, Norton Robert
Hart, Florence Eunice
Hartman, Melville Daniel, A.B.
Heimstra, Fred Albert
Hellman, Jack M.
Herbst, Robert Rudolph
Hofstra, Raymond
Hone, Howard Russell, B.S.
Hrejsa, Francis Joseph
Hurter, Andrew Jerome
Icenogle, Grover Donald
Iler, Rex Leroy, A.B.
Ioriatti, John Baptist
Janus, Arthur Israel, B.S.
Joffe, Harold Herman
Juska, Aldona Ann
Kaplan, Benjamin Barnett, B.S.
Klamka, Herman George
Klein, Harold, A.B.
Klein, Louis
Klein, Sidney, Ph.G.
Kligerman, Sidney
Kolodny, Sydney M.
Kondziorski, Raymond F.
Kotin, Paul
Kudolla, Charles Rudolph
Kunckel, Edward Wickliffe
Kuzma, Joseph Francis
Lang, Morris
Lerner, Isadore
Lerner, Philip
Levitin, Lawrence Arnold
Levy, Robert
Lombardo, Samuel Sebastian
Lowy, Howard Arthur, Ph.C.

Lundgren, Edward Steven
Mankowski, Stanley Joseph
Mann, Lawrence Stanley
Martin, John Stephen, Ph.G.
Mason, Coye Carlton
McKinney, Delbert Wesley
Millis, Jack William
Mirro, John Anthony
Morton, Chauncey Lee
Moseley, George Harley, A.B.
Mosiman, William Dillon
Newman, Carl Robert, B.S.
Niederman, Dorothy Jean
Novack, Benjamin Francis
Oleck, Adrian Robert
Osher, Seymour Leon
Palermo, Amiel Lewis, Ph.C.
Pastron, Seymour Sidney
Pierce, James Donald
Plattner, Edward Bernard
Porte, David Morton
Pruszynski, Jerome Casimir
Rapoport, Anita Esterre, B.S.
Rapp, William Elon
Raymon, Wilda Eloise
Reingold, Irving Maynard
Rest, David, B.Mus.Ed.
Richards, Gordon Laraway
Richmond, Julius Benjamin
Roane, Robert Dixon
Rosanova, Albert R.
Roseman, Leo Leiff, B.S.
Row, Harry Ralph
Russell, William Elles
Sazama, Francis Joseph
Schick, William Rhinehart
Schiff, Isadore Joseph
Schosser, Milo Hill
Schreiber, Adrian Leonard
Schreiber, Manuel
Schumacher, Edward Emil
Schwartz, Louis
Segal, Morey Max
Shaffer, William Thurman
Shapiro, Maynard Irwin
Shiels, Thomas Victor
Shirer, Benjamin Franklin, Jr.
Simon, Albert Joseph
Simonson, Melvin
Snively, Robert Rice
Splerer, Eugene
Sprecher, Herman C.
Stahl, Charles Frederick
Strassman, Bernard
Sumner, Albert
Swensson, Evert Anders
Swisher, William Porter, B.S.
Tarre, Harold Israel
Turner, Ralph Strong
Twente, George Edward
Ury, Boris Sergei, B.S.
Van Atta, Roger Allan
Varraveto, Anita
Walter, Leroy Eugene
Webb, Edward Francis
Weir, Homer Fauquier, A.B.
Weisbach, Philip Thomas, Jr.
Weiskopf, Henry Sol
Weiss, Alvin
Weissman, Irving
Westmark, Carl Elmer
Whitehead, Ira Condict, A.B.
Witthoff, Evelyn Martha
Wolf, Glenn Clarence, A.B.
Zeman, Laddie Walter
Zimring, William Joseph
Zitman, Irving H.

First-Year Class, 1936-37

Abrams, Herbert Kerman, B.S.
Ajalat, Mitry Peter
Andrews, William Charles
Appel, William
Axelrod, Louis
Bagge, Marguerite Elizabeth
Ballard, George Pratt, B.S.
Barrett, Howard Thomas
Bell, Julius Nathaniel
Bennett, David
Bernet, Henry Scholten, B.S.
Black, Arnold
Blackburn, William Howard, Jr.
Bleier, Robert Seeley
Blustein, Herman
Brophy, Edward John
Brown, Arthur William
Burke, John Vincent
Cavins, Elmer Wallace, B.S.
Chelnek, Irving
Chione, Alfred George
Chobot, George Robert
Cochrane, William Lasselle
Cohan, Albert
Cohen, Harold
Cohlan, Wilbur Randolph
Cohn, Arnold Louis
Cutler, Max Helix
Cutts, Robert Irving, B.S.
Denholm, Agnes
Dickson, Frank H., Jr.
Eckberg, Marvin Edward, B.Ed.
Erwin, John Robert
Ettinger, Ralph Davis, A.B.
Evans, Harvey Aretas
Farnsworth, Samuel Arlington, B.S.
Favus, Leonard Harold
Feinberg, Milton
Fishkin, Martin
Frary, O. David
Gaines, Nemo Dexter, B.Ed.
Gaines, Walter
Gecht, Adele, B.Mus.Ed.
Goodman, Daniel Herschold, A.B., M.S.
Goodman, Lawrence Ogden
Gorecki, Ferdinand
Gossard, Foster Ellsworth
Griep, Ernst August
Grippe, William Joseph
Gurskis, Eugenia Eleanor
Hailman, Harold Frank
Heimovitz, Jack S.
Henry, Frank Coleman, A.B.
Hoffman, Charles Wilson, A.B.
Hoss, Glenn Arthur, Jr., B.S., A.B.
Howe, Gertrude Elizabeth, B.S.
Hughes, Edgar O.
Iliff, Grace Celia, A.B.
Jackson, Mildred Ranney, B.S.
Jaruszewski, Edward John, B.S.
Johnson, Grant Trempe
Jones, Robert Richard
Jourdan, Harve William, Jr.
Journay, John Louis
Kagen, Marvin Stanley
Kanter, Lester
Kaplan, Jack Gershon
Keys, John Allen
Kiersch, Theodore
Kipke, Virginia
Koenig, John William
Koepke, Earl Hilmer
Kolb, Harold Joseph
Kortmeier, Elwood Franklin
Kruger, Sam
La Fata, Francis Paul
Lane, Shirley William
Leavitt, Arnold Harold

Lemberg, Louis
Lesser, Muriel Eunice, B.S.
Levey, Calvin Irwin
Lewin, Robert Lawrence
Lhotka, Frank Michael
Lindsay, Arthur Manning
Litow, Sidney Samuel
Lobraico, Rocco Vincent, Jr.
Loeffler, Robert W.
Lowrey, Robert Davison
Magree, Montie
Malsbury, Charles Wendell, A.B.
Marino, Charles Joseph
Marks, Sidney
Marshall, James William, B.S.
Massie, Lowell E.
Matzner, Irving Allen
Mau, Walter
McDonald, Audrey Jane, B.S.
McKeever, Lewis Goodell, A.B.
McNeely, George Bradley, Jr.
Meagher, George Beyer, B.S.
Moskovitz, Jack Arthur
Mosny, Stephen Daniel, Jr.
Mulvill, James Edward, B.S.
Norcross, Pliny
Oberhill, Harold Robert
O'Donnell, Robert Porter
O'Kane, Thomas Walker
Pahn, Myron Sydney
Pasquesi, Theodore James
Pelatowski, Robert William
Perlmutter, Harold Morris
Petty, Richard Albert, A.B.
Policandriotes, Theodore Zane
Pollack, Seymour Lester
Post, George Washington, IV
Pyterek, Arthur Bernard
Rattner, Bernard
Reidell, Eleanore Aleen
Robbins, Joseph Maurice
Rosack, Henry
Rosen, Bernice Shirley
Scott, Wendell Paul
Seely, Harmon DeForrest
Shapiro, Arthur Joseph
Shapiro, Joseph
Sheets, Raymond F., A.B.
Shulruff, Joseph T.
Siegel, Morris
Simons, Morton
Sloan, Herbert Pearl
Snider, Gordon Gaskell
Solomon, James
Spomer, John Paul
Stephen, Robert Joseph, B.S.
Stevens, Theodore Robert
Swan, Lawrence LeRoy
Swickard, Paul Edgar
Taylor, Justus Earl, Jr.
Tebow, Louis Elliott
Telford, Joe Woodrow
Thompson, Ernest Look
Tinker, Robert Harold
Torczynski, Gertrude Rita
Visscher, Lois Helena
Waters, Harvey Charles
Webber, Max Edwin
Weiner, Sanford Fred
Weinglass, Albert Robert
Weisberg, William Wiener, A.B.
Weiss, Eugene
Weiss, Manuel Bertrand
White, Harvey
Winer, Jane Ruth
Wloczewski, Joseph Albert, Jr.
Wright, Gilbert Lawrence
Wuestenfeld, Herman Eudell
Wunsch, Lloyd Arnold, A.B.
Yanowitz, Meyer
Yesinick, Louis, B.S.
Zelenik, John Slowko, A.B.
Zeman, Theodore Clarence, Ph.C.
Zimmerman, Nathan
Zweig, Mitchell

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

GRADUATE COURSES IN MEDICINE AND DENTISTRY

DEPARTMENTS

Anatomy; Dental Histology; Dental Therapeutics; Dermatology; Juvenile Behavior; Laryngology, Rhinology, and Otology; Medicine; Metallurgy; Neurology and Neurological Surgery; Obstetrics and Gynecology; Ophthalmology; Oral Surgery; Orthodontia; Orthopaedics; Pathology and Bacteriology; Pediatrics; Pharmacology; Physiological Chemistry; Physiology; Psychiatry; Surgery.

Announcement of
Summer Session of 1937, June 12 to September 11,
and Session of 1937-38

GRADUATE SCHOOL CALENDAR
(CHICAGO)

Summer Session

1937

June 12 and 14, Saturday and Monday	Registration days.
June 14, Monday	Summer Session begun.
Sept. 11, Saturday	Summer Session ended.

First Semester

Sept. 13, Monday	Last day for candidates for masters' degrees in October to file applications for degrees and to deposit theses.
Sept. 29-30, Wednesday-Thursday	Registration days.
Nov. 25, Thursday	Thanksgiving Day.
Dec. 18, Saturday, 6 P.M.	Holiday recess begun.

1938

Jan. 3, Monday, 8 A.M.	Instruction resumed.
Jan. 10, Monday	Last day for filing applications for masters' degrees to be conferred in February.
Jan. 10, Monday	Last day for candidates for doctors' degrees in February to deposit theses.
Jan. 24, Monday	Last day for candidates for masters' degrees in February to deposit theses.

Second Semester

Feb. 9-10, Wednesday-Thursday	Registration days.
Mar. 24, Thursday	Last day for filing applications for masters' degrees to be conferred in June.
April 14, Thursday, 6 P.M.	Easter recess begun.
April 18, Monday, 8 A.M.	Instruction resumed.
May 9, Monday	Last day for candidates for doctors' degrees in June to deposit theses.
May 23, Monday	Last day for candidates for masters' degrees in June to deposit theses.
June 10, Friday	Annual Commencement.

EXECUTIVE FACULTY OF THE GRADUATE SCHOOL[1]

1936-37

ARTHUR CUTTS WILLARD, B.S., D.Eng., LL.D., *President of the University*

ROBERT DANIEL CARMICHAEL, Ph.D., *Professor of Mathematics and Dean of the Graduate School*
CLARENCE ARTHUR BERDAHL, Ph.D., *Professor of Political Science*
HARDY CROSS, A.B., B.S., M.C.E., D.Sc., *Professor of Structural Engineering*
DAVID JOHN DAVIS, M.D., Ph.D., *Professor of Pathology and Dean of the College of Medicine*
COLEMAN ROBERTS GRIFFITH, Ph.D., *Professor of Education*
HARRY STUART VEDDER JONES, Ph.D., *Professor of English*
SIMON LITMAN, Dr.Jr.Pub. et Rer.Cam., *Professor of Economics*
FRANCIS WHEELER LOOMIS, Ph.D., *Professor of Physics*
HERBERT FISHER MOORE, M.E., M.M.E., D.Sc., *Research Professor of Engineering Materials*
WILLIAM ABBOTT OLDFATHER, Ph.D., LL.D., *Professor of the Classics*
WILLIAM SPENCE ROBERTSON, Ph.D., *Professor of History*
WORTH HUFF RODEBUSH, Ph.D., *Professor of Physical Chemistry*
HENRY PERLY RUSK, M.S., *Professor of Cattle Husbandry*
HIRAM THOMPSON SCOVILL, A.B., C.P.A., *Professor of Accountancy*
RAYMOND STRATTON SMITH, Ph.D., *Professor of Soil Physics*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

DAVID JOHN DAVIS, M.D., Ph.D., *Chairman*
FREDERICK BOGUE NOYES, A.B., D.D.S., D.Sc.
HUGH ALISTER MCGUIGAN, Ph.D., M.D.
FREDERICK HOWARD FALLS, M.S., M.D.
WILLIAM HENRY WELKER, A.C., Ph.D., *Secretary*

THE TEACHING FACULTY IN MEDICINE AND DENTISTRY[2]

1936-37

DAVID JOHN DAVIS, M.D., Ph.D., *Dean of the College of Medicine, Professor of Pathology, Head of the Department of Pathology, Bacteriology, and Public Health*
WILLIAM HENRY WELKER, A.C., Ph.D., *Professor of Physiological Chemistry and Head of the Department*
HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of the Department*
OTTO FREDERIC KAMPMEIER, Ph.D., M.D., *Professor of Anatomy and Head of the Department*
FREDERICK BROWN MOOREHEAD, D.D.S., M.D., M.S., *Professor of Oral Surgery and Head of the Department of Oral and Plastic Surgery and Oral Pathology*
WILLIAM F. PETERSEN, B.S., M.D., *Professor of Pathology*
FREDERICK BOGUE NOYES, A.B., D.D.S., D.Sc., *Dean of the College of Dentistry, Professor of Orthodontia, Head of the Department, and Director of the Children's Clinic*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, consisting of the Dean of the Graduate School, three members elected by the Teaching Faculty, and ten additional members appointed by the President of the University after consultation with the Dean and the elected members.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

Olaf Bergeim, Ph.D., *Associate Professor of Physiological Chemistry*
Albert Bachem, Ph.D., *Professor of Biophysics*
Frederick Howard Falls, M.S., M.D., *Professor of Obstetrics and Gynecology, and Head of the Department*
Julius Hayes Hess, M.D., *Professor of Pediatrics and Head of the Department*
Francis Eugene Senear, B.S., M.D., *Professor of Dermatology and Head of the Department*
Lloyd Arnold, A.M., M.D., *Professor of Bacteriology and Public Health*
Walter John Richard Camp, M.D., Ph.D., *Professor of Pharmacology, Materia Medica, and Therapeutics*
Paul Louis Schroeder, B.S., M.D., *Professor of Criminology, Social Hygiene, and Medical Jurisprudence, Head of the Department, and Director of the Institute for Juvenile Research*
Harold Douglas Singer, M.D., *Professor of Psychiatry, Head of the Department, and Director of the Psychiatric Institute*
Henry Bascom Thomas, B.S., M.D., *Professor of Orthopaedics, Head of the Department, and Director of the Illinois Surgical Institute for Children*
George Boris Hassin, M.D., *Professor of Neurology*
Andrew Wilson Brown, Ph.D., *Associate Professor of Criminology, Social Hygiene, and Medical Jurisprudence*
Richard Hermann Jaffé, M.S., M.D., *Professor of Pathology*
Isaac Schour, D.D.S., Ph.D., *Professor of Histology*
Robert Wood Keeton, M.S., M.D., *Professor of Medicine and Head of the Department*
Ernst Gellhorn, M.D., Ph.D., *Professor of Physiology and Physiologist in the Department of Psychiatry*
Isadore Pilot, B.S., M.D., *Associate Professor of Pathology and of Medicine*
Henry George Poncher, B.S., M.D., *Associate Professor of Pediatrics*
Mrs. Carroll LaFleur Birch, M.S., M.D., *Assistant Professor of Medicine*
Arthur Gideon Cole, Ph.D., *Assistant Professor of Physiological Chemistry*
Eric Oldberg, M.D., Ph.D., *Professor of Neurology and Neurological Surgery, and Head of the Department*
Gerhardt von Bonin, M.D., *Associate Professor of Anatomy*
Charles Bernard Puestow, M.D., Ph.D., *Assistant Professor of Surgery*
Carlos Isaac Reed, Ph.D., *Associate Professor of Physiology*
Allan Gibson Brodie, D.D.S., M.S., *Professor of Orthodontia*
Russell Dorr Herrold, B.S., M.D., *Associate Professor of Surgery*
Géza de Takats, M.D., M.Surg., *Associate Professor of Surgery*
Warren Henry Cole, B.S., M.D., *Professor of Surgery and Head of the Department*
Robert George Kesel, D.D.S., M.S., *Assistant Professor of Dental Pathology and Therapeutics*
Francis Loeffler Lederer, B.S., M.D., *Professor of Laryngology, Rhinology, and Otology, and Head of the Department*

GRADUATE WORK IN MEDICINE AND DENTISTRY

Admission

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the Department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine and Dentistry. Every applicant must submit with his application for admission an official transcript of his college record.

Registration and Program of Study

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been interrupted by unavoidable circumstances. *No student is permitted to attend any University course in which he is not registered.*

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Medical Students and Graduate Study.—If at the beginning of the second semester of his second year a student in the College of Medicine, who has been in residence at least one year, and who has completed all of the required courses of the first three semesters and has maintained an average in all work in Medicine of at least 85%, may be permitted to register for one unit which may count for residence for a master's degree. Only students of excellent record will be allowed this privilege.

Members of the third-year and fourth-year classes in the College of Medicine, who have strong scholastic records, and who have the bachelor's degree, may register for one unit of graduate work per semester, substituting it for one medical course and the electives in the junior year and for the electives in the senior year.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Dean, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigations in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Recorder's Office. If he wishes to withdraw from the University he must get clearance papers at the Recorder's Office.

Master's Degrees

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one-semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

Undergraduate courses in Medicine in any department are not accepted as applying toward a graduate degree if the major is in that department.

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. He may not attend more than twelve a week without special permission.

Grades.—Students' work is graded in five classes, A, B, C, D, and E. The last indicates a failure. "D" indicates unsatisfactory, though passable, work.

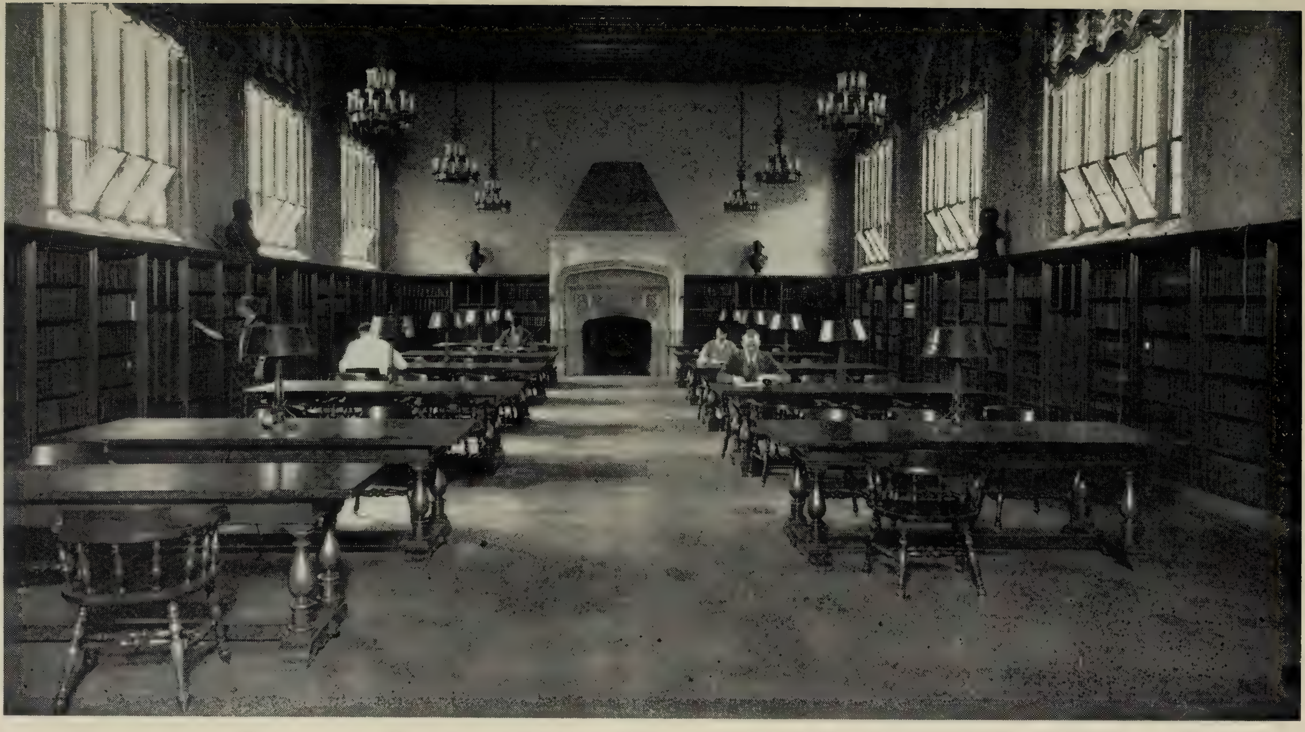
A student who receives two units of a grade below "B" during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below "B" disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

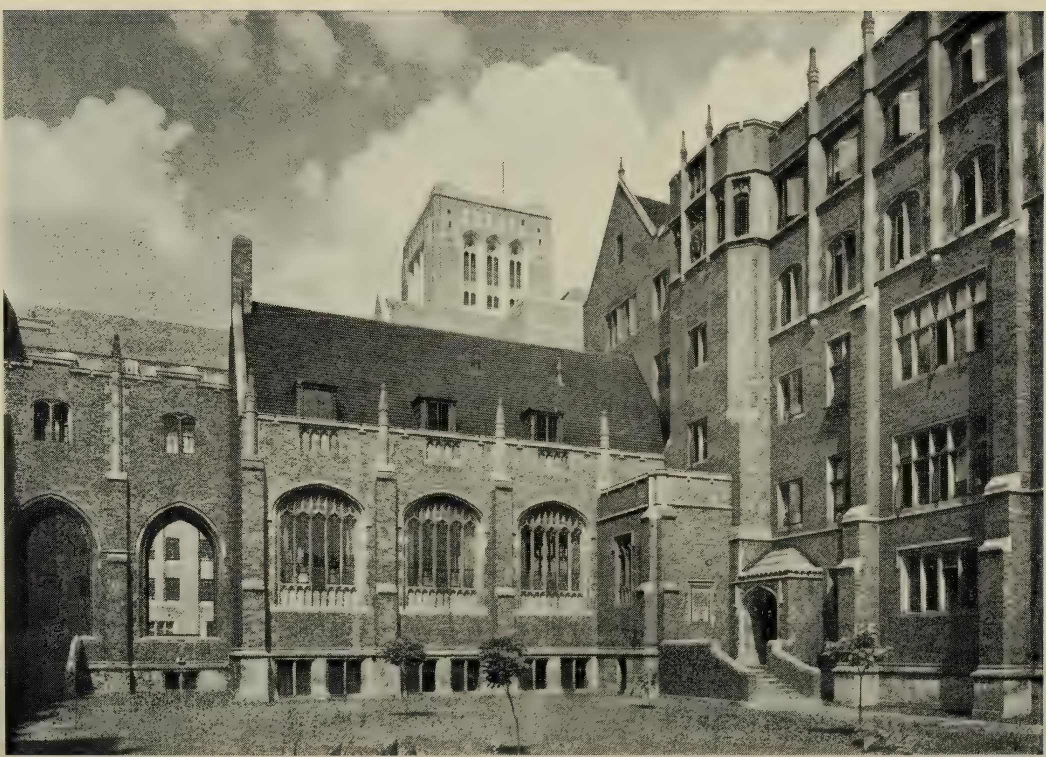
Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or a minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. No student will be permitted to acquire residence toward the second year for the doctorate until he has passed the preliminary examination in at least one of these languages.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the



Main Reading Room of the Library



Library and Passage Way to Hospital With New Laboratory Building in Background

Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only, must be secured and the subject of the thesis filed at the office of the Graduate School not later than the beginning of the second half-year of residence. The requirement of a theisis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Dean of the Graduate School, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand from one to two units of work, and may not exceed three units. The thesis must be typewritten, on "thesis paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis. Permission for the publication of the material of a master's thesis should be obtained from the Dean of the Graduate School before such publication is carried out.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

A student who has completed all of the residence and course requirements for the master's degree but who is still working on his thesis is required to register for an additional "Thesis" unit of work during the semester or session in which he expects to present himself for the degree. The incidental fee for such registration is $10.00.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Secretary's office. For the dates of application and deposition of theses, consult the calendar on page 70.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. The other minor (not less than two units) must, in that case, be taken in a department of study other than that of the major.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work. Thus it is possible for a second-year student to devote all his time to one course and his research; and for a third-year student to devote all his time to his research work alone.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 338, Research Laboratory and Library Building.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence, during a certain period, but for scholarly attainments and power of investigation, as proved by theses and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

Examinations in Languages.—The student will be required to demonstrate his ability to read French and German and other languages needed in his work. (In special cases the Executive Faculty, upon recommendation of the student's adviser, may substitute for either one of the languages usually required some other language which can be shown to be more useful in that student's professional research.) No student will be permitted to acquire residence towards the second year of graduate study until he has passed the examination in at least one of these languages. Both the examination in French and that in German must be passed before the student is admitted to the preliminary examination in his major and minor subjects.

Examinations in Major and Minors.—Towards the end of his second year of study, or by special permission, at the beginning of his third year (not later than October 15), a student who wishes to become a candidate for the degree must submit to a preliminary examination. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years of graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time though it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper,* and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of master's and doctor's theses," copies of which may be obtained at the Secretary's office.

Fees

Except as noted below, graduate students in medicine and dentistry pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer session)	25.00
Students not residents of Illinois pay an incidental fee of	37.50
Incidental fee (semester)	35.00
Students not residents of Illinois pay each semester an incidental fee of	62.50
Late registration fee.—Students who enter the Graduate School after registration day are charged a late registration fee of	5.00
Graduation fee	10.00

Laboratory fees are assessed to cover the cost of materials used.

For the graduate course in orthodontia in preparation for the practice of orthodontia as a specialty, the yearly tuition fee is $600, one-third payable at the beginning of the second semester in February, at which time the course opens, one-third in June at the beginning of summer school, one-third in October at the beginning of the first semester.

All persons on University appointment or on appointment in allied surveys and laboratories in Urbana and the research and educational hospitals in Chicago, eligible for admission to University work, also superintendents, principals, and teachers employed in the public school systems of Illinois and teachers and members of the staff in colleges and universities in this state, when admitted to instruction in the Graduate School during the period of their employment, may be permitted to attend University classes for credit, on condition that they register and pay either the regular incidental fees, or, at their election, fees assessed at $10.00 per unit. Persons on University appointment at a salary of $1,600 or less who are registered in the Graduate School are exempt from all fees in courses for graduate credit.

For information concerning the privileges of deferring fees, see page 31 of this circular.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the graduation fee on being recommended for their degrees.

Library

Adequate library facilities are essential to the prosecution of graduate work and research. In the library may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

GRADUATE COURSES IN MEDICINE AND DENTISTRY

ANATOMY

101. *Advanced Anatomy.*—The work may take the direction either of macroscopic or of microscopic anatomy, or of both, according to the student's major problem: in macroscopic anatomy, a detailed redissection of the human body, or any of its parts; in microscopic anatomy (embryology, cytology, histology, etc.), a consideration of morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. (Work in the laboratory for tissue culture in association with Assistant Professor ZECHEL). Course designed for students choosing anatomy as a minor, and for students preparing for individual research in anatomy. One to two units. Professor KAMPMEIER, Associate Professor VON BONIN.

103. *Individual Research.*—In embryology, cytology and histology, neurology, anthropology and biometrics, experimental morphology, functional and applied anatomy. One to three units. Professor KAMPMEIER, Associate Professor VON BONIN.

DENTAL HISTOLOGY

106. *Advanced Dental Histology.*—One or two units. Professor SCHOUR.

107. *Research in Microscopic Anatomy (Teeth and Related Tissues).*—One to three units. Professor SCHOUR.

DENTAL PATHOLOGY AND THERAPEUTICS

101. *Advanced Therapeutics.*—One or two units. Assistant Professor KESEL.

103. *Therapeutic Research.*—One or two units. Assistant Professor KESEL.

DERMATOLOGY

101. *Research in Dermatology.*—One to three units. Professor SENEAR.

JUVENILE BEHAVIOR

101. *Research in Juvenile Behavior.*—One to three units. Professor SCHROEDER.

102. *Advanced Work in Juvenile Behavior.*—One to three units. Professor SCHROEDER.

103. *Special Abilities and Disabilities.*—One or two units. Associate Professor BROWN.

104. *Psychological Tests.*—One or two units. Associate Professor BROWN.

105. *Psychology of Behavior Problems.*—One or two units. Associate Professor BROWN.

106. *Field Work in Criminology.*—One to three units. Professor SCHROEDER.

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

101. *Research in Laryngology, Rhinology, and Otology.*—One to three units. Professor LEDERER.

MEDICINE

101. *Research in Medicine.*—One to three units. Professor KEETON, Assistant Professor BIRCH.

NEUROLOGY AND NEUROLOGICAL SURGERY

101. *Research in Neurology.*—One to three units. Professor HASSIN.

102. *Research in Neurological Surgery.*—One to three units. Professor OLDBERG.

OBSTETRICS AND GYNECOLOGY

101. *Research in Obstetrics and Gynecology.*—One to three units. Professor FALLS.

OPHTHALMOLOGY

101. *Research in Ophthalmology.*—One to three units.

ORAL SURGERY

101. *Pathology of Mouth.*—One or two units. Professor Moorehead.
103. *Oral Surgery.*—One or two units. Professor Moorehead.

ORTHODONTIA

101. *Orthodontia.*—One to three units. Professors Noyes and Brodie.

ORTHOPAEDICS

101. *Research in Orthopaedics.*—One to four units. Professor Thomas.

PATHOLOGY AND BACTERIOLOGY

101. *Advanced Pathogenesis.*—One to three units. Professors Davis, Petersen, Arnold, and Jaffé, Associate Professor Pilot.
103. *Individual Research.*—One to four units. Professors Davis, Petersen, Arnold, and Jaffé, Associate Professor Pilot.

PEDIATRICS

101. *Research in Pediatrics.*—One to three units. Professor Hess, Associate Professor Poncher.

PHARMACOLOGY

101. *Advanced Pharmacodynamics.*—One to three units. Professors McGuigan and Camp.
103. *Research in Pharmacodynamics.*—One to three units. Professors McGuigan and Camp.

PHYSIOLOGICAL CHEMISTRY AND METALLURGY

101. *Advanced Biological Chemistry.*—Biochemical methods of research, biological colloids, enzyme action, and metabolism. One or two units. Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.
103. *Biochemical Research.*—One or two units. Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.

PHYSIOLOGY

101. *Research in Physiology.*—One to three units. Professor Gellhorn, Associate Professor Reed.
102. *Research in Biophysics.*—One to three units. Professor Bachem.
103. *Seminar in Selected Fields.*—One unit. Professors Bachem and Gellhorn, Associate Professor Reed.
104. *Current Literature Seminar.*—One-half unit. Required of all graduate students in physiology. Professors Bachem and Gellhorn, Associate Professor Reed.

PSYCHIATRY

101. *Research in Psychiatry.*—One to three units. Professor Singer.

SURGERY

101. *Research in Surgery.*—One to three units. Professor Cole, Associate Professors Herrold and De Takats, Assistant Professor Puestow.

GRADUATE SCHOOL DEGREES CONFERRED, 1936

Degree of Doctor of Philosophy

Conferred in February, 1936

In Physiology

Howard Chester Peters, B.S., Northwestern University, 1932. A study of factors influencing the energy metabolism of the mammalian heart.

Conferred in June, 1936

In Bacteriology

Marion Winifred Hood, A.B., Carroll College, 1918; A.M., University of Wisconsin, 1928. The relation between the oral and gastric bacterial flora.

In Medicine

Ford Kimmel Hick, M.D., M.S., 1931, 1933. Criteria of oxygen want with especial reference to neurocirculatory asthenia.

In Pathology

Perry Julius Melnick, B.S., M.S., M.D., 1927, 1929, 1930. The time factor in the irradiation of malignant tumors.

Degree of Master of Arts

Conferred in February, 1936

In Psychology

Raymond Edward Scharpen, A.B., 1932

Conferred in June, 1936

In Psychology

Robert Crane Kammerer, A.B., 1933

Degree of Master of Science

Conferred in February, 1936

In Bacteriology

Herman Charles Mason, B.S., University of Chicago, 1932

In Orthodontia

Gerald Thomas Milliette, B.S., University of Dayton, 1930; D.D.S., Marquette University, 1931

In Pathology

Elmer Joseph Kocour, B.S., M.D., 1930, 1933

In Physiology

Solomon Carl Werch, B.S., M.D., 1931, 1934

In Psychiatry

Samuel B. Broder, A.B., University of Pennsylvania, 1926; M.D., Rush Medical College, 1933

Conferred in June, 1936

IN BACTERIOLOGY

MARIE ANNA HAGELE, B.S., Lewis Institute, 1931
GEORGE MAURICE KALMANSON, B.S., College of the City of New York, 1934

IN DENTAL PATHOLOGY AND THERAPEUTICS

EDGAR HERMAN KRAMP, B.S., D.D.S., 1929, 1931

IN MEDICINE

SAMUEL LIEBMAN, B.S., 1934

IN NEUROPSYCHIATRY

CHESTER WADE, B.S., 1934

IN ORTHODONTIA

BEULAH GRATTAN NELSON, A.B., Northwestern University, 1921; D.D.S., 1930

IN PATHOLOGY

BEN WILLIAM LICHTENSTEIN, B.S., M.D., 1930, 1932
EVERETT JACOB OLENICK, B.S., 1934

IN PHARMACOLOGY

JACOB FRANCIS HAHN, B.S., 1930

IN PHYSIOLOGY

LESTER FRANDS MIKKEL STORM, B.S., Northwestern University, 1933

Conferred in October, 1936

IN ANATOMY

REINO HENDRICK PUUMALA, B.S., M.D., 1931, 1934

IN BACTERIOLOGY

KATHERYN ELIZABETH BUCK, B.S., Purdue University, 1934
CHARLES DAVID SPANGLER, B.S., Armour Institute, 1934

IN PATHOLOGY

ARTHUR BERNARD LEVAN, B.S., 1934

IN PHYSIOLOGY

NATHANIEL GLICKMAN, B.S., University of Chicago, 1934

GRADUATE STUDENTS IN MEDICINE AND DENTISTRY

1936-37

Explanation.—S indicates attendance during the Summer Session; I, during the First Semester; II, during the Second Semester. Degrees are from the University of Illinois unless otherwise noted.

Allen, Arthur Charles, Chicago.—Pathology. (II.) B.S., College of the City of New York, 1930; M.D., University of California, 1936.
Asch, George Frederick von, Chicago.—Physiological Chemistry. (S.I.II.) B.S., 1936.
Asher, Harry H., Chicago.—Metallurgy. (S.I.) D.D.S., M.S., 1931, 1933.
Ballard, George Pratt, Chicago.—Bacteriology. (S.) B.S., Northwestern University, 1932.
Barbakoff, Arthur Louis, Chicago.—Otolaryngology. (I.II.) B.S., 1935.
Barnett, Harold, Chicago.—Surgery. (II.) B.S., 1936.
Bartoli, Adolph J., LaSalle.—Physiology. (II.)
Baumgartner, Wilbur Whittler, Forest Park.—Pathology. (II.) B.S., University of Chicago, 1933.
Bedinger, Paul Lincoln, Danville.—Medicine (I.II.) A.B., B.S., M.D., 1931, 1932, 1935.
Berman, Julius, Chicago.—Therapeutics. (II.) B.S., D.D.S., 1934, 1936.
Blackerby, Philip Earle, Louisville, Kentucky.—Dental Therapeutics. (S.) A.B., D.D.S., University of Louisville, 1930, 1933.
Blaurock, Melvin Frank, Chicago.—Psychiatry. (I.II.) B.S., M.D., 1934, 1935.
Bonnell, Ellis, Harrisburg.—Psychiatry. (S.I.II.) B.S., M.D., 1934.
Boyer, Gertrude Sarah, Oak Park.—Bacteriology. (II.) B.S., Purdue University, 1935.
Brebis, George J., Cicero.—Medicine. (II.)
Briggs, Frances Agnes, Metamora.—Physiological Chemistry. (I.II.) B.S., 1926; M.S., Tulane University, 1928.
Broder, Samuel B., Chicago.—Psychiatry. (S.I.II.) A.B., University of Pennsylvania, 1926; M.D., Rush Medical College, 1933; M.S., 1936.
Brodie, Allan Gibson, Park Ridge.—Anatomy. (I.II.) D.D.S., University of Pennsylvania, 1919; M.S., 1934.
Brooks, Jack E., Chicago.—Psychiatry. (I.II.) B.S., 1936.
Brown, Mary Louise, Chicago.—Bacteriology. II. A.B., 1935.
Brudzinski, Thaddeus S., Gary, Indiana.—Oral Surgery. (II.) D.D.S., 1931.
Buck, Katheryn Elizabeth, Chicago.—Pathology. (S.) B.S., Purdue University, 1934.
Buck, Leonard Sumner, Chicago.—Medicine. (I.II.) B.S., 1935.
Burroughs, Charles Elson, East Orange, New Jersey.—Orthodontia. (II.) D.D.S., University of Maryland, 1934.
Carney, Paul William, Rochelle.—Surgery. (II.) B.M., M.D., Northwestern University, 1934, 1935.
Carstens, Herman Paul, Chicago.—Surgery. (II.) B.S., University of Chicago, 1932.
Circle, Sidney Joseph, Chicago.—Pharmacology. (I.II.) B.S., University of Chicago, 1934.
Cohen, Theodore Michael, Chicago.—Dermatology. (I.II.) B.S., 1935.
Coopersmith, Bernard I., Chicago.—Physiological Chemistry. (I.II.) B.S., 1936.
Darling, Ralph P., Waterman.—Psychology. (S.I.II.) A.B., A.M., 1932, 1933.
Deardorff, Frank Benson, Berwyn.—Gynecology and Obstetrics. (S.) B.S., M.D., 1932, 1935.
Decker, Sam, Chicago.—Physiological Chemistry. (II.) B.S., University of Chicago, 1936.
Domm, Sheldon Edward, Naperville.—Physiology. (S.) A.B., North Central College, 1934; A.M., 1935.
Dworin, Jack Walter, Chicago.—Pathology. (II.)
Ehrlich, Jack, Chicago.—Orthodontia. (II.) B.S., D.D.S., 1934, 1936.
Ehrlich, Norman James, Chicago.—Chemistry. (II.)
Eisendorf, Lester Harrow, Chicago.—Obstetrics. (I.II.) B.S., 1935.
Engle, Harold Martin, Chicago.—Medicine. (II.)
Engstrom, Robert Berger, Rockford.—Pathology. (S.) A.B., 1935.
Ewert, Earl Ernst, Chicago.—Surgery. (S.) B.S., M.D., 1924, 1926.
Faingold, Joseph Edwin, Chicago.—Physiological Chemistry. (I.II.) Ph.C., B.S., 1929, 1935.
Finkelstein, Fannie, Chicago.—Bacteriology. (I.II.) B.S., 1936.
Fiorito, Louis Leonard, Chicago.—Physiology. (I.) M.D., Loyola University, 1933.
Fisher, Leah, Chicago.—Physiological Chemistry. (I.II.) B.S., 1936.
Francis, James Donald, Chicago.—Surgery. (S.) B.S., M.D., Georgetown College, 1928, 1930.
Gant, Virgil Arnett, Lebanon.—Pharmacology. (S.I.II.) B.S., M.S., 1921, 1932.
Gasul, Benjamin Morris, Kenosha, Wisconsin.—Pediatrics. (S.II.) B.S., University of Wisconsin, 1922; M.D., Rush Medical College, 1925.
Gelfand, Leonard, Chicago.—Histology. (II.) B.S., D.D.S., 1933, 1935.
Gernon, John Talbot, Bloomington.—Surgery. (S.I.II.) B.S., M.D., 1926, 1928.
Glickman, Nathaniel, Chicago. — Physiology. (S.II.) B.S., University of Chicago, 1934.
Goodman, Daniel H., Galesburg.—Physiological Chemistry. (I.II.) A.B., Brooklyn College, 1935; M.S., 1936.
Goodman, Louis, Chicago.—Pathology. (S.I.II.) M.D., Temple University, 1934.
Gordon, Hyman Harry, Chicago.—Physiology. (II.)
Gowen, G. Howard, Chicago.—Bacteriology. (S.I.II.) B.S., M.D., Northwestern University, 1926; M.S., 1933.
Gradman, Ralph, Chicago.—Chemistry. (II.) B.S., 1936.
Grimmer, Everett Arthur, Chicago.—Dental Histology. (II.) D.D.S., Northwestern University, 1929.
Grubman, Marvin, Chicago.—Chemistry. (II.) B.S., 1936.
Grunwald, Marshall Frederick, Oak Park.—Dental Pathology. (S.I.II.) B.S., D.D.S., 1933, 1935.
Gutman, Emil, Chicago.—Pharmacology. (II.) B.S., Battle Creek College, 1933.
Hanks, Thrift Gene, Champaign.—Medicine. (I.II.) B.S., 1936.
Harvey, Cecil Claude, Chicago.—Physiological Chemistry. (S.II.) B.S., University of Louisville, 1929; M.S., University of Chicago, 1931.

Hattenhauer, Milo B., Pontiac.—Pathology. (I.) D.D.S., 1935.

Heath, Arthur Edwin, Downers Grove.—Bacteriology. (II.) B.S., 1932.

Hecht, Rudolph, Chicago.—Medicine. (S.II.) B.S., M.S., M.D., 1930, 1932, 1933.

Heimstra, Fred Albert, Blue Island.—Pathology. (II.)

Herndon, Zelma Lamb, Chicago.—Obstetrics. (I.II.) B.S., M.D., 1929, 1934.

Hess, Walter R., Elkhorn, Nebraska.—Bacteriology. (S.I.) B.S., University of Nebraska, 1927.

Heyer, Howard Eugene, Chicago.—Medicine. (I.II.) B.S., 1935.

Hibbert, George Fielding, Chicago.—Obstetrics. (II.) B.S., University of Chicago, 1918; M.D., Rush Medical College, 1921.

Hill, Harold Herron, Athens.—Obstetrics. (S.I.) B.S., M.D., 1926, 1929.

Hinman, Glidden, Winnetka.—Bacteriology. (II.) A.B., 1905.

Hirschberg, Nell, Glencoe. — Bacteriology. (S.I.II.) A.B., Smith College, 1928; A.M., University of Colorado, 1933.

Holder, Norton Wieder, Chicago.—Physiological Chemistry. (I.II.) A.B., Western Reserve University, 1935.

Hone, Howard Russell, Chicago.—Physiological Chemistry. (II.) B.S., Wheaton College, 1935.

Howell, Kenneth Lyle, Joliet.—Pharmacology. (S.I.) B.S., 1936.

Iler, Rex Leroy, St. Anne.—Physiology. (S.) A.B., 1935.

Jackman, Abraham Izzak, Chicago.—Pathology. (S.I.II.) B.S., 1935.

Jacobson, Frances Marie, La Grange.—Bacteriology. (I.II.) B.S., 1933.

Jensik, Robert Joseph, Berwyn.—Medicine. (I.II.) B.S., 1936.

Joffe, Herman, Chicago.—Surgery. (I.II.) B.S., 1936.

Kaplan, Benjamin Barrett, Chicago.—Bacteriology. (S.I.II.) B.S., University of Chicago, 1933.

Kaplan, Maurice, Chicago.—Psychiatry. (II.) B.S., M.D., 1932, 1935.

Kaplan, Philip, Chicago.—Surgery. (II.) B.S., M.D., 1929, 1932.

Kaplan, Samuel, Chicago.—Obstetrics and Gynecology. (I.II.) B.S., M.D., M.S., 1922, 1925, 1931.

Kerman, Willard, Chicago.—Surgery. (II.) B.S., 1936.

King, Elmer Guenther, Chicago.—Pharmacology. (S.I.II.) B.S., 1936.

Kirch, Ernst Rudolf, Chicago.—Bacteriology. (S.) Ph.C., 1928; B.S., Loyola University, 1931; M.S., University of Chicago, 1934.

Klein, Harold, Chicago.—Physiological Chemistry. (II.) A.B., New York University, 1936.

Klein, Max Edward, Chicago.—Dermatology. (II.) B.S., 1937.

Kleitsch, William Philip, Chicago.—Surgery. (S.I.) B.S., 1934.

Kligerman, Sidney, Chicago.—Physiology. (II.)

Korando, Elladeane, Raddle. — Bacteriology. (II.) B.Ed., Southern Illinois State Normal University, 1926.

Kraines, Samuel Henry, Chicago.—Physiology. (I.II.) B.S., M.D., 1928, 1931.

Lakin, Herbert Sol, Chicago.—Physiological Chemistry. (I.II.) B.S., 1933.

Lambert, Claude Needham, Chicago.—Orthopaedics. (I.II.) A.B., University of Utah, 1924; M.D., University of Chicago, 1928.

Lambert, Edward Howard, Berwyn.—Physiology. (I.II.) B.S., 1936.

Lapid, Louis Sanford, Chicago. — Surgery. (I.II.) B.S., 1936.

Lesser, Muriel, Chicago.—Physiology. (S.) B.S., University of Chicago, 1932.

Levan, Arthur Bernard, Chicago.—Pathology. (S.) B.S., 1934.

Levin, Myron Jame, Chicago.—Bacteriology. (I.II.) B.S., 1935.

Levy, Herman Abraham, Chicago.—Medicine. (I.) B.S., M.D., Loyola University, 1930, 1932.

Lichtenstein, Ben William, Chicago.—Neurology. (S.I.II.) B.S., M.D., M.S., 1930, 1933, 1936.

Limarzi, Louis Robert, Chicago.—Medicine. (S.I.II.) B.S., M.D., 1928, 1931.

Lorber, Maurice, Chicago.—Psychiatry. (I.II.) B.S., University of Chicago, 1932.

MacFate, Robert Preston, Wheaton.—Physiological Chemistry. (S.I.II.) Ch.E., Lehigh University, 1925; M.S., 1929.

Marks, Meyer Benjamin, Chicago.—Medicine. (S.) B.S., M.D., 1931, 1933.

Martin, John S., Oak Park.—Bacteriology. (II.)

Mason, Herman Charles, Chicago.—Bacteriology. (I.II.) B.S., University of Chicago, 1932; M.S., 1936.

McDaniels, Herbert Eli, Chicago.—Bacteriology. (II.) B.S., University of Chicago, 1925; M.S., 1932.

Meagher, George Beyer, DePue.—Physiological Chemistry. (II.) B.S., University of Notre Dame, 1936.

Meyer, Benjamin Samuel, Chicago.—Psychiatry. (I.II.) Ph.B., University of Chicago, 1931.

Mixter, Russell Lowell, Lansing, Michigan.—Anatomy. (S.I.) A.B., Wheaton College, 1928; M.S., Michigan State College, 1930.

Moldavsky, Leon Frank, Chicago.—Physiology. (I.II.) A.B., Western Reserve University, 1931; M.S., 1932.

Newman, Carl Robert, Urbana.—Surgery. (II.)

Niederman, Dorothy Jean, Chicago.—Pediatrics. (II.)

O'Connor, Dorothy Kathryn, Chicago.—Bacteriology. (I.II.) A.B., B.S., 1933, 1935.

Olsman, Louis, Chicago.—Pathology. (S.I.II.) B.S., 1935.

Olson, Stanley William, Rockford.—Medicine. (I.II.) B.S., Wheaton College, 1934.

Osgood, Bessie Genevieve, Milford.—Physiological Chemistry. (I.II.) A.B., B.S., Indiana Central College, 1932, 1933.

Palmer, Edward, Chicago.—Genito-Urinary Surgery. (S.) Ph.B., DePaul University, 1928.

Passarelli, Edwin William, Chicago.—Medicine. (I.) B.S., M.D., Georgetown University, 1930, 1932.

Pearlman, Maurice David, Chicago.—Medicine. (I.II.) B.S., 1936.

Pearlman, Sol, Chicago.—Psychiatry. (I.II.) Ph.B., University of Chicago, 1932.

Phillips, Milton Lambert, Visalia, California.—Psychology. (I.) A.B., Stanford University, 1936.

Plater, Wade R., Vienna.—Orthodontia. (II.) D.D.S., 1924.

Plattner, Edward B., East St. Louis.—Physiology. (II.)

Puumala, Reino Hendrick, Chicago.—Anatomy. (S.) B.S., M.D., 1931, 1934.

Ragins, Alex Benjamin, Chicago.—Pathology. (S.) B.S., M.S., M.D., 1929, 1931, 1932.

Reagan, Robert Earl, Benton Harbor, Michigan.—Surgery. (S.I.II.) B.S., M.D., 1928, 1930.

Reifler, Reuben Max, Chicago.—Pharmacology. (I.) Ph.G., B.S., 1926, 1935.

Rest, David, Chicago.—Pathology. (II.) B.Mus.Ed., Northwestern University, 1931.

Reynolds, John Todd, Dwight.—Surgery. (I.II.) B.S., M.S., M.D., 1930, 1932, 1933.

Rezek, George Henry, Chicago.—Obstetrics. (S.I.II.) A.B., M.D., 1928, 1933.

Richmond, Julius Benjamin, Chicago.—Physiology. (II.) B.S., D.D.S., 1934, 1936.

Riser, Roy Otis, Chicago.—Ophthalmology. (S.I.II.) B.S., M.D., 1928, 1931.

Rossiter, Lewis James, Mattoon.—Surgery. (I.) A.B., 1935.

Samors, Josef Joel, Chicago.—Oral Surgery. (II.) D.D.S., 1927.

Schreiber, Sam Louis, Chicago.—Pathology. (I.) Ph.C., B.S., 1928, 1934.

Scuderi, Carlo Salvadore, Chicago.—Surgery. (S.I.II.) B.S., M.D., M.S., 1926, 1929, 1935.

Seron, Suren Manoog, Joliet.—Anatomy. (II.) B.S., D.D.S., 1930, 1932.

Sharpe, Kenneth Palmer, Chicago.—Therapeutics. (II.) B.S., D.D.S., 1934, 1936.

Shriner, Walter, Downers Grove.—Surgery. (S.I.II.) B.S., 1935.

Shure, Norman, Chicago.—Medicine. (I.) B.S., M.D., 1930, 1933.

Simon, Albert Joseph, Geneva.—Chemistry. (II.)

Skorodin, Bernard, Chicago. — Psychiatry. (I.II.) B.S., M.D., 1929, 1931.

Snyder, Roy Kenneth, Chicago.—Pharmacology. (S.I.II.) B.S., M.S., B.S., 1929, 1934, 1935.

Sonenthal, Israel Ronald, Chicago.—Psychiatry. (S.I.II.) B.S., M.D., Northwestern University, 1932, 1935.

Spangler, Charles David, Chicago.—Bacteriology. (S.) B.S., Armour Institute of Technology, 1934.

Spellberg, Mitchell A., Chicago.—Medicine. (II.) B.S., M.D., Loyola University, 1932, 1934.

Spence, John Monroe, Chicago.—Orthodontia. (S.I.) B.S., D.D.S., 1933, 1935.

Spinka, Isadore, Chicago.—Physiological Chemistry. (I.II.) B.S., 1935.

Steck, Isadore Elihu, Chicago.—Physiology. (I.II.) B.S., M.S., M.D., 1930, 1932, 1933.

Steigmann, Frederick, Chicago.—Pharmacology. (S.I.) B.S., D.D.S., 1933, 1935.

Stephan, Robert Marshall, Oak Park.—Physiological Chemistry. (I.II.) M.S., D.D.S., 1932, 1934.

Stoecker, George Charles, Chicago.—Pharmacology. (II.) A.B., St. Norbert College, 1934.

Strassman, Bernard, Chicago.—Physiological Chemistry. (II.)

Stubenrauch, Charles Henry, Havana.—Pediatrics. (S.I.II.) B.S., 1936.

Tanner, John Gardner, Columbus, Ohio.—Pharmacology. (I.II.) B.S., Capital University, 1931; M.S., University of Chicago, 1936.

Tepper, Leo, Chicago.—Physiological Chemistry. (I.II.) B.S., 1936.

Tesarik, Annette Viola, Cicero.—Obstetrics and Gynecology. (I.II.) B.S., 1936.

Thorek, Philip, Chicago.—Surgery. (II.) B.S., M.D., 1928, 1931.

Toomey, Thomas Noxon, Springfield.—Bacteriology and Public Health. (II.) A.B., Catholic University of America, 1912; M.D., Washington University, 1915.

Ury, Boris Sergei, Chicago.—Physiology. (I.II.) B.S., University of Chicago, 1935.

Vicher, Edward Ernest, Berwyn.—Bacteriology. (I.II.) B.S., 1935.

Wach, Edward Charles, Chicago.—Physiological Chemistry. (I.II.) Ph.G., D.D.S., 1907, 1923.

Wacker, Maxwell N., Chicago.—Obstetrics and Gynecology. (I.) B.S., M.D., 1931, 1934.

Wade, Helen Woodward, Washington, D. C.—Physiological Chemistry. (S.I.II.) B.S., George Washington University, 1926; M.S., Iowa State College, 1929.

Wallheiser, LaVerne Myron, Chicago.—Obstetrics and Gynecology. (S.) B.S., M.D., 1930, 1932.

Walter, Leroy Eugene, Chicago.—Physiological Chemistry. (II.)

Waniata, George Norman, Berwyn.—Obstetrics and Gynecology. (I.II.) B.S., Ch.E., Armour Institute, 1929.

Wasick, Milan Michael, Chicago.—Bacteriology. (S.) B.S., 1934.

Wasserman, David, Chicago. — Gynecology. (S.I.II.) B.S., 1935.

Weichselbaum, Paul K., Chicago.—Chemistry. (I.II.) B.S., 1935.

Weinberg, Benjamin Abra, Chicago.—Surgery. (S.II.) B.S., 1936.

Weinstein, Roy Cyril, Chicago.—Physiology. (I.II.) B.S., 1936.

Weir, Homer Fauquier, Decatur.—Pediatrics. (II.) A.B., 1935.

Weiss, Emil, Chicago.—Bacteriology. (S.) M.D., University of Prague, 1919; Ph.D., 1937.

Wienman, George Joseph, Dixon.—Pharmacology. (II.) B.S., 1936.

Wolff, John Robert, Chicago.—Obstetrics. (S.I.II.) M.D., Northwestern University, 1931.

Yesinick, Louis, Chicago.—Physiology. (II.) B.S., University of Chicago, 1936.

Zitman, Irving H., Chicago.—Physiological Chemistry. (II.)

Zuska, Joseph John, Chicago.—Anatomy. (I.II.) B.S., 1935.

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UNIVERSITY OF ILLINOIS CIRCULAR

COLLEGE OF MEDICINE

Announcement for 1938-1939

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COLLEGE OF MEDICINE

CALENDAR

1938

First Semester

Sept. 12-17, Monday-Saturday	Second-year comprehensive examinations.
Sept. 19-24, Monday-Saturday	Special examinations.
Sept. 26, Monday, 8 A.M. to 5 P.M.	Registration and payment of fees.
Sept. 27, Tuesday, 8 A.M.	Instruction begun.
Nov. 24, Thursday	Thanksgiving Day.
Dec. 24, Saturday, 5 P.M.	Holiday recess begun.

1939

Jan. 9, Monday, 8 A.M.	Instruction resumed.
Jan. 30-Feb. 4, Monday-Saturday	Semester examinations.

Second Semester

Feb. 6, Monday, 8 A.M. to 5 P.M.	Registration and payment of fees.
Feb. 7, Tuesday, 8 A.M.	Instruction begun.
April 6, Thursday, 6 P.M.	Easter recess begun.
April 10, Monday, 8 A.M.	Instruction resumed.
May 22-27, Monday-Saturday	Second-year and fourth-year comprehensive examinations.
May 30, Tuesday	Memorial Day.
May 29-June 3, Monday-Saturday	First-year and third-year final examinations.
June 8, Thursday	Class day and alumni meeting.
June 9, Friday	Commencement exercises.

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Lloyd Morey, A.B., B.Mus., LL.D., C.P.A., *Comptroller,* Urbana

George Robert Moon, A.M., *Examiner and Recorder for the Chicago Professional Schools and Assistant to the Dean of the College of Medicine*

John Edson Millizen, A.B., *Business Agent, Chicago Professional Schools*

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FACULTY OF THE COLLEGE OF MEDICINE
1937-38

(For alphabetic index, see page 17)

Professors

David John Davis, M.D., Ph.D., *Professor of Pathology, Head of the Department of Pathology, Bacteriology, and Public Health, and Dean of the College of Medicine*
Henry Turman Byford,[1] A.M., M.D., *Professor of Gynecology,* Emeritus
Frank Breckenridge Earle, M.D., *Professor of Pediatrics,* Emeritus
William Allen Pusey, A.M., M.D., *Professor of Dermatology,* Emeritus
William McIntire Harsha, B.S., A.B., M.D., *Professor of Surgery,* Emeritus
Lee Harrison Mettler, A.M., M.D., *Professor of Neurology,* Emeritus
Casey A. Wood, A.M., M.D., *Professor of Ophthalmology,* Emeritus
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Norval Harvey Pierce, M.D., *Professor of Laryngology, Rhinology, and Otology, and Head of the Department,* Emeritus
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Adolph Hartung, M.D., *Professor of Roentgenology*
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George Boris Hassin, M.D., *Professor of Neurology*
Haim Iddell Davis,[2] M.D., *Professor of Psychiatry,* Emeritus
Frederick George Dyas, M.D., *Professor of Surgery*
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Henry Bascom Thomas, B.S., M.D., *Professor of Orthopaedics, Head of the Department, and Director of the Illinois Surgical Institute for Children*
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Bernard Fantus, M.S., M.D., *Professor of Therapeutics*
Richard Hermann Jaffé,[3] M.S., M.D., *Professor of Pathology*

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[1] Deceased June 5, 1938. [2] Deceased April 11, 1938. [3] Deceased December 17, 1937.

ERNST GELLHORN, M.D., Ph.D., *Professor of Physiology and Physiologist in the Department of Psychiatry*
FRANCIS LOEFFLER LEDERER, B.S., M.D., *Professor of Laryngology, Rhinology, and Otology, and Head of the Department*
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Associate Professors

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FRANK CHAUVET, M.D., *Associate Professor of Medicine*
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Assistant Professors

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Isadore Bernhard Diamond, M.D., *Assistant Professor of Neurology*
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Arthur Gideon Cole,[1] Ph.D., *Assistant Professor of Physiological Chemistry*
Ralph August Kordenat, M.S., M.D., *Assistant Professor of Surgery*
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Jacob Morton Mora, B.S., M.D., *Assistant Professor of Surgery*
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Hiram Jason Smith, M.D., *Assistant Professor of Ophthalmology*
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Roy Gilmore Barrick, M.D., M.H.D., *Assistant Professor of Criminology, Social Hygiene, and Medical Jurisprudence*
Robert Lelon Ladd, M.S., M.D., *Assistant Professor of Pathology*
John Joseph Theobald, B.S., M.D., *Assistant Professor of Laryngology, Rhinology, and Otology*
Walter Henry Theobald, B.S., M.D., *Assistant Professor of Laryngology, Rhinology, and Otology*
Frederick William Hark, M.S., M.D., *Assistant Professor of Orthopaedics*
Hugo Otto Deuss, B.S., M.D., *Assistant Professor of Medicine*
Yngve Joranson, A.B., B.S., M.D., *Assistant Professor of Anatomy*
Isidore A. Rabens, M.S., M.D., *Assistant Professor of Medicine*
Thomas Gordon Hull, Ph.D., *Assistant Professor of Bacteriology and Public Health*
George Milles, Ph.G., M.S., M.D., *Assistant Professor of Pathology*
Alfred P. Solomon, A.B., M.D., *Assistant Professor of Psychiatry*
Richard Lockwood Webb, Ph.D., *Assistant Professor of Anatomy*
Richard Leos Jenkins, A.B., M.D., *Assistant Professor of Juvenile Behavior*
P. Joseph Sarma, M.S., M.D., *Assistant Professor of Surgery*
Will Ferson Lyon, A.B., M.D., *Assistant Professor of Surgery*
Daniel Harold Levinthal, M.D., *Assistant Professor of Orthopaedics*
Theodore Cornbleet, B.S., M.D., *Assistant Professor of Dermatology*
William Henry Hazlett, M.D., *Assistant Professor of Surgery*
Gustav Leopold Zechel, M.D., *Assistant Professor of Anatomy, and Associate in Surgery*
Julius Leo Spivack, M.D., *Assistant Professor of Surgery*
I. Pat Bronstein, B.S., M.D., *Assistant Professor of Pediatrics*
Maxwell Gitelson, B.S., M.D., *Assistant Professor of Juvenile Behavior*
Rudolph Justus Emanuel Oden, A.B., M.D., *Assistant Professor of Surgery*
Bernard Portis, M.D., Ph.D., *Assistant Professor of Surgery*
Louis William Schultz, B.S., D.D.S., M.D., *Assistant Professor of Surgery*
Parke Harvey Simer, Ph.D., *Assistant Professor of Anatomy*
Walter William Dalitsch, B.S., D.D.S., M.D., *Assistant Professor of Medicine and Health Officer*
Paul Leon Ewing, M.S., *Assistant Professor of Pharmacology, Materia Medica, and Therapeutics*
Ford Kimmel Hick, M.D., Ph.D., *Assistant Professor of Medicine*
Harold Irving Meyer, M.S., M.D., *Assistant Professor of Surgery*

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[1] On leave of absence for six months beginning September 24, 1937.

SHERMAN LAWRENCE SHAPIRO, B.S., M.D., *Assistant Professor of Laryngology, Rhinology, and Otology*
LEONARD F. WEBER,[1] M.D., *Assistant Professor of Dermatology*

Associates

SOLOMON MAXWELL GOLDBERGER, M.D., *Associate in Pediatrics*
BENJAMIN ZION RAPPAPORT, M.S., M.D., *Associate in Medicine*
IRIS MCKY CHAMBERLAIN, M.D., *Associate in Pediatrics*
GEORGE SHAYNIN LIVINGSTON, M.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
LOUIS SENDER ROBINS, B.S., M.D., *Associate in Pediatrics*
VIRGIL RAY STEPHENS, M.S., M.D., *Associate in Surgery*
ERNEST A. BREDLAU, M.D., *Associate in Laryngology, Rhinology, and Otology*
MOSES GOLDWASSER, M.D., *Associate in Medicine*
MINAS JOANNIDES, M.S., M.D., *Associate in Surgery*
MILTON HENRY KRONENBERG, B.S., M.D., *Associate in Bacteriology and Public Health*
THOMAS PAINE SALTIEL, B.S., M.D., *Associate in Pediatrics*
LOUIS FELDMAN, B.S., M.D., *Associate in Medicine*
DIETRICH KLEMPTNER, M.D., *Associate in Medicine*
SAMUEL CUSHING BEACH, M.D., *Associate in Bacteriology and Public Health*
NOAH FOX, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
RICHARD A. LIFVENDAHL, B.S., M.D., *Associate in Obstetrics and Gynecology*
BENJAMIN MORRIS GASUL, M.D., M.S., *Associate in Pediatrics*
SAMUEL JULIAN HOFFMAN, B.S., M.D., *Associate in Pediatrics*
HARRY LEICHENGER, B.S., M.D., *Associate in Pediatrics*
TELL NELSON, B.S., M.D., *Associate in Medicine*
ISRAEL BECKER, B.S., M.D., *Associate in Medicine*
MARCUS RAYNER CARO, B.S., M.D., *Associate in Dermatology*
PHILIP ALLEN HALPER, B.S., M.D., *Associate in Ophthalmology*
WILLIAM A. MARSHALL, B.S., M.D., *Associate in Orthopaedics*
HERBERT RATTNER, M.D., *Associate in Dermatology*
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ROBBIE NEELEY BRUNNER,[2] M.D., *Associate in Anaesthesia*
CLAUDE NEEDHAM LAMBERT, A.B., M.D., *Associate in Orthopaedics*
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JERRY JOSEPH KEARNS, B.S., M.D., *Associate in Pathology*
ALFRED JULIAN KOBAK, M.S., M.D., *Associate in Obstetrics and Gynecology*
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BENJAMIN FRANKLIN CROUTCH, M.D., *Associate in Surgery*
CARL APPLE, B.S., M.D., *Associate in Ophthalmology*
WILLIAM S. BOIKAN, M.S., M.D., *Associate in Medicine*
JAMES WILSON CLARK, B.S., M.D., *Associate in Ophthalmology*
CLARENCE A. JOHNSON, Ph.D., *Associate in Physiological Chemistry*
SAMUEL KAPLAN, M.S., M.D., *Associate in Obstetrics and Gynecology*
SAMUEL HENRY KRAINES,[3] B.S., M.D., *Associate in Psychiatry*
OSCAR BENJAMIN RAGINS, B.S., M.D., *Associate in Medicine*
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VICTOR LEVINE, B.S., M.D., *Associate in Pathology*
HAROLD CHARLES LUETH, B.M., M.S., M.D., *Associate in Medicine*
RAYMOND GREEN, B.S., M.D., *Associate in Surgery*
HAROLD HERRIN HILL, B.S., M.D., *Associate in Obstetrics and Gynecology*
ABRAHAM RISEL HOLLENDER, M.D., *Associate in Laryngology, Rhinology, and Otology*
ROBERT PRESTON MACFATE, Ch.E., M.S., *Associate in Pathology and Assistant Director of the Hospital Laboratory*

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[1] Beginning November 1, 1937.
[2] On leave of absence from November 6, 1937, to June 15, 1938.
[3] On leave of absence for seven months beginning September 1, 1937.

HERBERT ELI MCDANIELS, Ph.D., *Associate in Bacteriology and Public Health*
SOL ROY ROSENTHAL, M.D., Ph.D., *Associate in Bacteriology and Public Health*
IRWIN G. SPIESMAN, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
MILTON JOSEPH SUMMERVILLE, A.B., M.D., *Associate in Obstetrics and Gynecology*
OLIVER EDWARD VAN ALYEA, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
EMIL WEISS, M.D., Ph.D., *Associate in Bacteriology and Public Health*
STANISLAUS ANDREW SZUREK, M.S., M.D., *Associate in Psychiatry and Psychiatrist*
WINSTON HARRIS TUCKER, Ph.D., M.D., *Associate in Bacteriology and Public Health*
CHESTER WILLIAM DARROW, Ph.D., *Associate in Physiology*
MELVIN LOUIS AFREMOW, M.S., M.D., *Associate in Medicine*
CARL OSCAR GOTFRIED ALMQUIST, B.S., M.D., *Associate in Surgery*
WILLIAM CARL BECK, A.B., B.M., M.D., *Associate in Surgery*
MRS. BEULAH CHAMBERLAIN BOSSELMAN, A.B., M.D., *Associate in Psychiatry*
JOHN TALBOT GERNON, M.D., M.S., *Associate in Urology*
MARION HOOD, Ph.D., *Associate in Medicine*
EDWARD J. HORICK, B.S., M.D., *Associate in Ophthalmology*
JOHN STEWART HOWE, A.B., M.D., *Associate in Pathology*
AARON B. KENDRICK, Ph.D., *Associate in Medicine*
CLARENCE WILLARD KLASSEN, B.S., *Associate in Bacteriology and Public Health*
LOUIS ROBERT LIMARZI, M.D., M.S., *Associate in Medicine*
FOSTER LAMONT MCMILLAN, B.S., M.D., *Associate in Surgery*
GUY V. PONTIUS, B.S., M.D., *Associate in Surgery*
JOSEPH CYRUS RHEINGOLD, M.D., M.S., *Associate in Psychiatry*
COLQUITT OTIS RITCH, B.S., M.D., *Associate in Surgery*
MRS. IRENE CASE SHERMAN, Ph.D., M.D., *Associate in Psychiatry*
HENRY ABRAHAM SIEGAL, B.S., M.D., *Associate in Medicine*
FREDERICK STEIGMANN, B.S., M.D., *Associate in Medicine*
THEODORE JOHN WACHOWSKI, B.S., M.D., *Associate in Roentgenology*
GUSTAVE FRANKEL WEINFELD, M.D., *Associate in Pediatrics*
LOUIS ZOLO FISHMAN, M.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
JOSEPH ADOLPH TUTA,[1] Ph.D., M.D., *Associate in Pathology*

Lecturers

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WARREN GARFIELD MURRAY, M.D., *Lecturer in Criminology, Social Hygiene, and Medical Jurisprudence*
MAJOR HENRY WORTHINGTON, M.D., *Lecturer in Hospital Organization and Administration, Managing Officer of the Research and Educational Hospital, and Superintendent of the Dispensary*
RODNEY HOWE BRANDON, *Lecturer in Criminology, Social Hygiene, and Medical Jurisprudence*
NOBEL GUSTAF JOHNSON, A.B., J.D., *Lecturer in Medical Jurisprudence*
LLOYD HIRAM ZIEGLER, B.Pd., A.M., B.M., M.D., *Lecturer in Psychiatry*

Instructors

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MAT BLOOMFIELD, B.S., M.D., *Instructor in Obstetrics and Gynecology*
JOHN ANTHONY SULDANE, M.D., *Instructor in Pediatrics*
LOUIS N. BOELIO, B.S., M.D., *Instructor in Anatomy*
MAX ELEAGER FISCH, M.S., M.D., *Instructor in Anatomy and in Medicine*
HENRY R. KRASNOW, M.D., *Instructor in Dermatology*
JANE ROSE MCLAUGHLIN, A.B., R.N., *Instructor in Obstetrics and Gynecology*

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[1] Beginning January 1, 1938.

ARTHUR JETHRO COOMBS, A.B., M.D., *Instructor in Laryngology, Rhinology, and Otology*
JOHN W. HARNED, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
EARLE RUPERT PACE, A.B., M.D., *Instructor in Dermatology*
MYRTLE BARBARA CRUDIM, B.S., M.D., *Instructor in Medicine*
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EUGENE GROSZ, M.D., *Instructor in Medicine*
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WILLIAM KENNETH FORD, M.D., *Instructor in Dermatology*
ALEX BENJAMIN RAGINS, M.S., M.D., *Instructor in Pathology*
CARROLL W. STUART, D.D.S., M.S., M.D., *Instructor in Bacteriology and Public Health*
JACOB WARREN FISCHER, B.S., M.D., *Instructor in Medicine*
LEO E. AMTMAN, B.S., M.D., *Instructor in Medicine*
RICHARD MILTON DAVISON, M.D., M.S., *Instructor in Surgery*
JOHN CHARLES MCMILLAN, JR., B.S., M.D., *Instructor in Medicine*
ROY OTIS RISER, B.S., M.D., *Instructor in Ophthalmology*
GEORGE FIELDING HIBBERT, B.S., M.D., *Instructor in Obstetrics and Gynecology*
EUGENE LESTER BAKER, B.S., M.D., *Instructor in Surgery*
RALPH HENRY KUHNS, B.S., M.D., *Instructor in Psychiatry*
CECIL DAVID BROWN, B.S., M.D., *Instructor in Surgery*
IRVING DREYER, M.S., M.D., *Instructor in Medicine and in Pathology*
RAYMOND CLIFFORD INGRAHAM, Ph.D., *Instructor in Physiology*
ROBERT MOORE JONES, A.B., M.D., *Instructor in Medicine*
LEO FREDERICK MILLER, B.S., M.D., *Instructor in Orthopaedics*
EMANUEL PADNOS, B.S., M.D., *Instructor in Pediatrics*
MAHLON PHELPS PALMER, A.B., M.D., *Instructor in Laryngology, Rhinology, and Otology*
EDWIN WILLIAM PASSARELLI, B.S., M.D., *Instructor in Medicine*
HAROLD SHELLOW, B.S., M.D., *Instructor in Dermatology*
HAROLD CARL STRUCK, Ph.D., *Instructor in Physiology*
CLARA DEBORAH TIGAY, A.B., M.D., *Instructor in Pediatrics*
ARTHUR ABRAHAM HALEVY, M.D., *Instructor in Surgery*
ROBERT HENRY KREHBIEL, Ph.D., *Instructor in Anatomy*
MARVIN GEORGE FLANNERY, A.B., B.S., M.D., *Instructor in Surgery*
EPHRAIM FRANK GOODMAN, B.S., M.D., *Instructor in Surgery*
DAVID HOWARD WAGNER, M.D., M.S., *Instructor in Surgery*
SYLVIO AMEDEO SCIARRETTA, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
NELL TREVA PATTENGALE, B.S., M.D., *Instructor in Radium Therapy*
LOUIS GOODMAN, M.D., *Instructor in Pathology and in Medicine*
DAVID SMEATON JAFFRAY, B.S., M.D., *Instructor in Surgery*
LEO CLIFFORD CLOWES, A.B., M.D., *Instructor in Surgery*
SAMUEL HERBERT RICHMAN, M.D., *Instructor in Roentgenology*
JOHN EUGENE LOTSPIECH, B.S., M.D., *Instructor in Surgery*
SAMUEL B. BRODER, M.D., M.S., *Instructor in Psychiatry*
HENRY PICKETT DORMAN, M.D., Ph.D., *Instructor in Medicine*
PAUL HENRY HOLINGER, M.S., M.D., *Instructor in Bronchoscopy*
HAROLD LEO KLAWANS, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
BEN WILLIAM LICHTENSTEIN, M.D., M.S., *Instructor in Neurology and Neurological Surgery*

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[1] Resignation effective March 1, 1938.

Verne Wesley Lyon, M.S., *Instructor in Criminology, Social Hygiene, and Medical Jurisprudence*
Samuel Henry Rosenblum, B.S., M.D., *Instructor in Medicine*
Marvin Sukov, A.B., M.D., *Instructor in Criminology, Social Hygiene, and Medical Jurisprudence*
John Robert Wolff, M.D., *Instructor in Obstetrics and Gynecology*
G. Howard Gowen, M.D., Ph.D., *Instructor in Bacteriology and Public Health*
Edward Edgar Park Seidmon, Ph.G., M.S., M.D., *Instructor in Bacteriology and Public Health*
William Stanley Timblin, B.S., M.D., *Instructor in Medicine*
Sidney Older Levinson, B.S., M.D., *Instructor in Pediatrics*
Robert Marshall Stephan, D.D.S., M.S., *Instructor in Physiological Chemistry*
Sol M. Abelson, B.S., M.D., *Instructor in Pediatrics*
Frances Angela, B.S., *Instructor in Bacteriology and Public Health*
Jacob Joseph Baratz, B.S., M.D., *Instructor in Pediatrics*
Max Berg, M.D., M.S., *Instructor in Pathology*
Bruno Blumklotz, M.D., *Instructor in Laryngology, Rhinology, and Otology*
Roosevelt Brooks, M.D., *Instructor in Ophthalmology*
George Charles Coe, B.S., M.D., *Instructor in Medicine*
Josephine Marion Dyniewicz, Ph.G., Ph.C., *Instructor in Pharmacology, Materia Medica, and Therapeutics*
Paul Webb Greeley, A.B., M.D., *Instructor in Surgery*
Rudolph Hecht, M.S., M.D., *Instructor in Medicine*
John A. Higgins, D.D.S., *Instructor in Pharmacology, Materia Medica, and Therapeutics*
Nell Hirschberg, Ph.D., *Instructor in Bacteriology and Public Health*
Howard Matthew Jacobs, B.S., M.D., *Instructor in Pediatrics*
Morris Aaron Kaplan, M.S., M.D., *Instructor in Medicine*
Joseph Henry Kiefer, B.S., B.M., M.D., *Instructor in Surgery*
Alfred Campbell Ledoux, M.D., *Instructor in Roentgenology*
Herman Abraham Levy, B.S., M.D., *Instructor in Medicine*
Herman Charles Mason, B.S., *Instructor in Bacteriology and Public Health*
Jacob Paskind, M.D., *Instructor in Psychiatry*
William Harris Reals, M.D., *Instructor in Pediatrics*
George Henry Rezek, A.B., M.D., *Instructor in Obstetrics and Gynecology*
Frederick William Schacht, M.S., M.D., *Instructor in Urology*
Maurice Schneider, M.D., *Instructor in Pediatrics*
Ralph Spaeth, A.B., M.D., *Instructor in Pediatrics*
Irving Elihu Steck, M.S., M.D., *Instructor in Medicine and in Physiology*
John Francis Pick, B.S., M.D., M.Mus., *Instructor in Surgery*
Beryl Troxell, M.S., M.D., *Instructor in Bacteriology and Public Health*
Frederick John Roos, M.D., *Instructor in Obstetrics and Gynecology*
David Minard,[1] Ph.D., *Instructor in Physiology*
Norman Bridge Roberg,[2] A.B., M.D., *Instructor in Medicine*
Broda Otto Barnes,[3] Ph.D., M.D., *Instructor in Medicine*
Paul Frederick Krueger,[4] B.S., *Instructor in Bacteriology and Public Health*

Assistants

Samuel Jacob Burrows, M.D., *Assistant in Anatomy*
Morris Louis Parker, B.S., M.D., *Assistant in Surgery*
Adeline Rawson White, B.S., M.D., *Assistant in Anatomy*, Emeritus
Frances Agnes Briggs, Ph.D., *Assistant in Physiological Chemistry*
Mrs. Isabel Clark Dorrell, B.S., *Assistant in the Hospital Laboratory*
Cecil Claude Harvey, M.S., *Assistant in Physiological Chemistry*
Mrs. Helen Woodward Wade, Ph.D., *Assistant in Pediatrics*
Virgil Arnett Gant, M.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
David Charles Simon, B.S., M.D., *Assistant in Medicine*
Mrs. Rudla Burns Rind, B.S., M.D., *Assistant in Medicine*
Everett Arthur Grimmer, D.D.S., *Assistant in Dental Surgery*
George William Marquardt, D.D.S., *Assistant in Oral Surgery*

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[1] Beginning March 1, 1938.
[2] Beginning January 1, 1938.
[3] Beginning February 1, 1938.
[4] Beginning March 15, 1938.

JOHN TODD REYNOLDS, M.S., M.D., *Assistant and Senior Resident in Surgery*
HOMER VERNON WILBURN, A.B., M.D., *Assistant in Medicine*
HAROLD MARK HOOVER, B.S., M.D., *Assistant in Medicine*
CLAIR MARTIN CAREY, B.S., M.D., *Assistant in Obstetrics and Gynecology*
EUGENE JOHN ROONEY, M.D., *Assistant in Medicine*
MILTON CHARLES SCHELL, M.D., *Assistant in Medicine*
SAMUEL IRWIN DITKOWSKY, B.S., M.D., *Assistant in Medicine*
HOWARD JACK LE VINE, B.S., M.D., *Assistant in Medicine*
ABRAHAM HAPPY RUDOLPH, B.S., M.D., *Assistant in Medicine*
EDWARD CHARLES BERNELL, M.S., M.D., *Assistant in Obstetrics and Gynecology*
MILTON MITCHELL MOSKO, B.S., M.D., *Assistant in Medicine*
HORACE EDWARD TURNER, B.S., M.D., *Assistant in Medicine and in Orthopaedics*
MRS. MARGARET EUGENIE MILLIKEN,[1] M.S., *Assistant in Pathology*
SAMUEL JULIAN NICHAMIN,[2] A.B., M.D., *Assistant in Pediatrics*
PHILIP THOREK, B.S., M.D., *Assistant in Anatomy and in Surgery*
HERSHEL MEYER, B.S., M.D., *Assistant in Medicine*
JOHN D. SINGER, B.S., M.D., *Assistant in Medicine*
IRVING KAUFMAN, M.S., M.D., *Assistant in Medicine*
THOMAS JOSEPH CONLEY, B.S., M.D., *Assistant in Medicine*
LOUIS LEONARD FIORITO, B.S., M.D., *Assistant in Medicine*
ARTHUR VALENTINE BERGQUIST, B.S., M.D., *Assistant in Anatomy*
ROBERT EDWARD DYER, B.S., M.D., *Assistant in Anatomy*
EDWARD STUART BAXTER, B.S., M.D., *Assistant in Pediatrics*
ELLIS BONNELL, M.D., *Assistant in Psychiatry*
JOSEPH STAGMAN, M.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
PERCIVAL LE MON CLARK, JR., M.S., M.D., *Assistant in Obstetrics and Gynecology*
NORMAN SHURE, B.S., M.D., *Assistant in Medicine*
ARTHUR RUDOLPH WEIHE, B.S., M.D., *Assistant in Anatomy*
NORMAN A. WIEN, B.S., M.D., *Assistant in Medicine*
HENRY S. CAMBRIDGE, B.S., M.D., *Assistant in Surgery*
EMANUEL JOSHUA FEINHANDLER, B.S., M.D., *Assistant in Medicine*
VINCENT CHARLES FREDA, B.S., M.D., *Assistant in Obstetrics and Gynecology*
WILLIAM FRANCIS JACOBS, A.B., B.S., M.D., *Assistant in Medicine*
ISRAEL IRVING RITTER, B.S., M.D., *Assistant in Medicine*
MITCHELL ABRAHAM SPELLBERG, B.S., M.D., *Assistant in Medicine*
CHARLES THEODORE POULSON,[3] B.S., M.D., *Assistant in Medicine*
EDWARD J. BOMZE, B.S., M.D., *Assistant in Obstetrics and Gynecology*
HAROLD JESSE CAWTHORNE, A.B., M.D., *Assistant in Laryngology, Rhinology, and Otology*
JOSEPH STEPHEN DRABANSKI, B.S., M.D., *Assistant in Urology*
JOSEPH DAVIS FARRINGTON, A.B., M.D., *Assistant in Anatomy*
EARL SMITH LEIMBACHER,[4] A.B., M.D., *Assistant and Senior Resident in Orthopaedics*
MILTON MORRIS SCHEFFLER, B.S., M.D., *Assistant in Obstetrics and Gynecology*
BERNARD SKORODIN, B.S., M.D., *Assistant in Psychiatry*
ISRAEL RONALD SONENTHAL, B.S., M.D., *Assistant and Third Year Resident in Psychiatry*
LA VERNE MYRON WALLHEISER, B.S., M.D., *Assistant in Obstetrics and Gynecology*
LOUIS EDIDIN, B.S., M.D., *Assistant in Medicine*
JACOB ABRAHAM GLASSMAN, B.S., M.D., *Assistant in Anatomy*
ARTHUR DEO KLEIN, B.S., *Assistant in Physiology*
JOHN BERNHARD ROTH, B.S., M.D., *Assistant in Medicine and in Anatomy*
JOHN GARDNER TANNER, M.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
MORRIS WEISS, M.D., *Assistant in Medicine*
GERTRUDE ELIZABETH HOWE, B.S., *Assistant in Medicine and Operator of Electrocardiograph*
JOHN O'DONNELL MCCABE, B.S., M.D., *Assistant and Senior Resident in Orthopaedics*
EDWARD C. SAHLSTROM, D.D.S., *Assistant in Oral Surgery*
JAMES EMMETT O'MALLEY, M.S., M.D., *Assistant in Medicine*
RAYMOND ELMER SORENSEN, M.S., M.D., *Assistant in Surgery*

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[1] Resignation effective December 1, 1937.
[2] Resignation effective November 1, 1937.
[3] Beginning December 1, 1937.
[4] Resignation effective April 1, 1938.

Harold D. Dykhuizen, A.B., M.D., *Assistant in Surgery*
William Charles Ocasek, M.D., *Assistant in Medicine*
Harold Xavian Rubin, B.S., M.D., *Assistant in Medicine*
John William Wall, B.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Maurice Kaplan, B.S., M.D., *Assistant in Psychiatry*
Arthur Bernstein, B.S., M.D., *Assistant in Medicine*
Joseph Charles Ehrlich, B.S., M.D., *Assistant in Medicine*
Everett Lee Strohl, M.D., M.S., *Assistant in Surgery*
Richard Arthur Matthies, B.S., M.D., *Assistant in Surgery*
Harry Robert Schwartz, B.S., M.D., *Assistant in Medicine*
Hazel Blank, R.N., *Assistant in the Hospital Laboratory*
Melvin Frank Otto Blaurock, B.S., M.D., *Assistant and Second Year Resident in Psychiatry*
Katheryn Elizabeth Buck, M.S., *Assistant in the Hospital Laboratory*
Mary Veronica Donahue, B.S., *Assistant in the Hospital Laboratory*
Carl Ireneus, Jr., A.B., B.S., M.D., *Assistant and Second Junior Resident in Surgery*
Leo Carroll Larkin, M.D., *Assistant in Medicine*
Arthur Harry Levine, B.S., M.D., *Assistant in Medicine*
Helen Miller Noyes, A.M., *Assistant in Orthopaedics*
Bernard J. Pass, B.S., M.D., *Assistant in Medicine*
Howard Louis Penning, A.B., B.S., M.D., *Assistant and Out-Patient Resident in Obstetrics and Gynecology*
Irving Bernard Richter, B.S., M.D., *Assistant in Pediatrics*
O. Theodore Roberg,[1] B.S., M.D., *Assistant in Surgery*
Samuel Perry Rogers, A.B., M.D., *Assistant in Orthopaedics*
Alexander Sanders, B.S., M.D., *Assistant in Medicine*
Louis Savitt, M.D., *Assistant in Laryngology, Rhinology, and Otology*
Joseph G. Schoolman, A.B., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Danley Philip Slaughter, B.S., M.D., *Assistant and Second Year Resident in Surgery*
Louis Arlington Terman, B.S., M.D., *Assistant in Medicine*
Ernest Bernard Williams, B.S., M.D., *Assistant in Medicine*
Ernest Christian Day,[2] B.S., M.D., *Assistant in Surgery*
Willis Gleason Diffenbaugh, B.S., M.D., *Assistant in Surgery*
Emily Jones, M.S., *Assistant in Bacteriology and Public Health*
Louis Yesinick, B.S., *Assistant in Physiology*
Leroy Verl Broadbent, A.B., M.D., *Assistant in Anatomy*
Mace Gazda, M.D., *Assistant in Anatomy*
Maurice Orrington Grossman, A.B., B.S., M.D., *Assistant in Medicine*
Barbara Stanley Munroe, A.B., *Assistant in the Hospital Laboratory*
Norman Ludlow Baker,[3] B.S., M.D., *Assistant in Medicine*
Mrs. Martha Rubin Folk,[4] M.D., *Assistant in Ophthalmology*
Aaron Louis Goldberg,[3] M.D., *Assistant in Medicine*
Robert Bernard Lewy,[4] B.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Ernest Charles McGill,[3] B.S., M.D., *Assistant in Obstetrics and Gynecology*
Harvey Cornelius Roll, B.S., M.D., *Assistant in Dermatology*
Joseph B. Teton, B.S., M.D., *Assistant in Obstetrics and Gynecology*
Mrs. Frances Creekmuer Whitcomb, B.S., *Assistant in Pathology, Bacteriology, and Public Health*
Frank Herman Fowler,[5] B.M., M.D., *Assistant in Surgery*
Alf J. Holm,[5] A.B., M.D., *Assistant in Surgery*
Louis Alois Holub,[5] M.D., *Assistant in Surgery*
Harold Alan Roth,[5] A.B., B.S., M.D., *Assistant in Surgery*
Stanley Lloyd Teitelman,[6] A.B., B.M., M.D., *Assistant in Medicine*
Harry Charles Wall,[5] M.D., *Assistant in Medicine*
William Arnold Christian,[7] B.S., M.D., *Assistant in Medicine*
Joseph Herman Jesser,[8] A.B., B.S., M.D., *Assistant in Surgery*
Samuel Liebman,[7] M.S., M.D., *Assistant in Medicine*
Edward Ross,[8] M.D., *Assistant in Psychiatry*

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[1] Resignation effective January 1, 1938.
[2] Resignation effective February 1, 1938.
[3] Beginning November 15, 1937.
[4] Beginning November 1, 1937.
[5] Beginning January 1, 1938
[6] Beginning January 10, 1938.
[7] Beginning March 1, 1938.
[8] Beginning March 15, 1938.

MILTON TINSLEY,[1] M.D., *Assistant and Second Year Resident in Neurology and Neurological Surgery*
PAUL HENDERSON DUBÉ,[2] A.B., M.D., *Assistant and Second Year Resident in Orthopaedics*

Librarians

METTA MAY LOOMIS, *Librarian,* Retired
WILMA ALLENE TROXEL, A.M., *Librarian*
MARGARET MARY BATES, *Assistant Librarian*

Chief Photographer

LAWRENCE ANTHONY TORIELLO, *Photographer, Medical and Dental Illustration*

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[1] Beginning March 1, 1938. [2] Beginning April 1, 1938.

INDEX TO NAMES OF MEMBERS OF THE FACULTY

Name	*Department*	*Rank*
Aaronson, Abe L.	Medicine	Instructor
Abelson, Sol M.	Pediatrics	Instructor
Afremow, Melvin L.	Medicine	Associate
Almquist, Carl O. G.	Surgery	Associate
Amtman, Leo E.	Medicine	Instructor
Angela, Frances	Bacteriology, Public Health	Instructor
Apple, Carl	Ophthalmology	Associate
Arnold, Lloyd	Bacteriology, Public Health	Professor
Bachem, Albert	Physiology	Professor
Bacon, Alfons R.	Obstetrics, Gynecology	Instructor
Bacon, Charles S.	Obstetrics, Gynecology	Professor, *Emeritus*
Baker, Eugene L.	Surgery	Instructor
Baker, Norman L.	Medicine	Assistant
Bamberger, Arrie	Surgery	Associate Professor
Baratz, Jacob J.	Pediatrics	Instructor
Barnes, Broda O.	Medicine	Instructor
Barrick, Roy G.	Criminology	Assistant Professor
Baxter, Edward S.	Pediatrics	Assistant
Beach, Samuel C.	Bacteriology, Public Health	Associate
Beard, Hallard	Ophthalmology	Associate Professor
Beck, Joseph C.	Otolaryngology	Associate Professor, *Emeritus*
Beck, William C.	Surgery	Associate
Becker, Israel	Medicine	Associate
Berg, Max	Pathology	Instructor
Bergeim, Olaf	Physiological Chemistry	Associate Professor
Bergquist, Arthur V.	Anatomy	Assistant
Bernell, Edward C.	Obstetrics, Gynecology	Assistant
Bernstein, Arthur	Medicine	Assistant
Birch, Carroll L.	Medicine	Assistant Professor
Blank, Hazel	Hospital Laboratory	Assistant
Blatt, Maurice L.	Pediatrics	Professor
Blaurock, Melvin F. O.	Psychiatry	Assistant
Bloomfield, Mat	Obstetrics, Gynecology	Instructor
Blumklotz, Bruno	Otolaryngology	Instructor
Boelio, Louis N.	Anatomy	Instructor
Boikan, William S.	Medicine	Associate
Bolotin, Max T.	Medicine	Associate
Bomze, Edward J.	Obstetrics, Gynecology	Assistant
Bonin, Gerhardt von	Anatomy	Associate Professor
Bonnell, Ellis	Psychiatry	Assistant
Bosselman, Beulah C.	Psychiatry	Associate
Bower, Lester E.	Pediatrics	Assistant Professor
Brandon, Rodney H.	Criminology	Lecturer
Bredlau, Ernest A.	Otolaryngology	Associate
Briggs, Frances A.	Physiological Chemistry	Assistant
Broadbent, Leroy V.	Anatomy	Assistant
Broder, Samuel B.	Psychiatry	Instructor
Bronstein, I. Pat	Pediatrics	Assistant Professor
Brooks, Roosevelt	Ophthalmology	Instructor
Brown, Andrew W.	Criminology	Associate Professor
Brown, C. David	Surgery	Instructor
Browne, William H.	Obstetrics, Gynecology	Assistant Professor
Brunner, Robbie N.	Anaesthesia	Associate
Buck, Katheryn E.	Hospital Laboratory	Assistant
Burrows, Samuel J.	Anatomy	Assistant
Calvin, Joseph K.	Pediatrics	Assistant Professor
Cambridge, Henry S.	Surgery	Assistant
Camp, Walter J. R.	Pharmacology	Professor
Carey, Clair M.	Obstetrics, Gynecology	Assistant
Caro, Marcus R.	Dermatology	Associate

Name	*Department*	*Rank*
Cawthorne, Harold J.	Otolaryngology	Assistant
Chamberlain, Iris M.	Pediatrics	Associate
Chauvet, Frank	Medicine	Associate Professor
Christian, William A.	Medicine	Assistant
Cipriani, John B.	Medicine	Assistant Professor
Clark, James W.	Ophthalmology	Associate
Clark, Percival L., Jr.	Obstetrics, Gynecology	Assistant
Clowes, Leo C.	Surgery	Instructor
Coe, George C.	Medicine	Instructor
Cole, Arthur G.	Physiological Chemistry	Assistant Professor
Cole, Warren H.	Surgery	Professor
Conley, Thomas J.	Medicine	Assistant
Coombs, Arthur J.	Otolaryngology	Instructor
Cooper, Arthur R.	Anatomy	Associate Professor
Cornbleet, Theodore	Dermatology	Assistant Professor
Croutch, Benjamin F.	Surgery	Associate
Crudim, Myrtle B.	Medicine	Instructor
Dalitsch, Walter W.	Medicine	Assistant Professor
Darrow, Chester W.	Physiology	Associate
Davis, David J.	Pathology	Dean and Professor
Davison, Charles	Surgery	Professor, *Emeritus*
Davison, Richard M.	Surgery	Instructor
Deuss, Hugo O.	Medicine	Assistant Professor
Diamond, Isadore B.	Neurology	Assistant Professor
Diffenbaugh, Willis G.	Surgery	Assistant
Ditkowsky, Samuel I.	Medicine	Assistant
Donahue, Mary V.	Hospital Laboratory	Assistant
Dorman, Henry P.	Medicine	Instructor
Dorrell, Isabel C.	Hospital Laboratory	Assistant
Drabanski, Joseph S.	Surgery	Assistant
Dreyer, Irving	Medicine, Pathology	Instructor
Dubé, Paul H.	Orthopaedics	Assistant
Dyas, Frederick G.	Surgery	Professor
Dyer, Robert E.	Anatomy	Assistant
Dykhuizen, Harold D.	Surgery	Assistant
Dyniewicz, Josephine M.	Pharmacology	Instructor
Earle, Frank B.	Pediatrics	Professor, *Emeritus*
Edidin, Louis	Medicine	Assistant
Ehrlich, Joseph C.	Medicine	Assistant
Ewing, Paul L.	Pharmacology	Assistant Professor
Fabricant, Noah D.	Otolaryngology	Instructor
Falls, Frederick H.	Obstetrics, Gynecology	Professor
Fantus, Bernard	Pharmacology	Professor
Farrington, Joseph D.	Anatomy	Assistant
Feinhandler, Emanuel J.	Medicine	Assistant
Feldman, Louis	Medicine	Associate
Findlay, Ephraim K.	Ophthalmology	Professor
Fiorito, Louis L.	Medicine	Assistant
Fisch, Max E.	Anatomy, Medicine	Instructor
Fischer, Jacob W.	Medicine	Instructor
Fischer, Walter R.	Orthopaedics	Instructor
Fishman, Louis Z.	Otolaryngology	Associate
Flannery, Marvin G.	Surgery	Instructor
Foley, Edmund F.	Medicine	Associate Professor
Folk, Martha R.	Ophthalmology	Assistant
Ford, William K.	Dermatology	Instructor
Fowler, Frank H.	Surgery	Assistant
Fox, Noah	Otolaryngology	Associate
Freda, Vincent C.	Obstetrics, Gynecology	Assistant
Freilich, Ellis B.	Medicine	Associate Professor
French, Thomas M.	Criminology	Associate
Gamble, William E.	Ophthalmology	Professor, *Emeritus*
Gant, Virgil A.	Pharmacology	Assistant

Name	*Department*	*Rank*
Gasul, Benjamin M.	Pediatrics	Associate
Gazda, Mace	Anatomy	Assistant
Gellhorn, Ernst	Physiology	Professor
Gernon, John T.	Surgery	Associate
Gitelson, Maxwell	Criminology	Assistant Professor
Glassman, Jacob A.	Anatomy	Assistant
Goldberg, Aaron L.	Medicine	Assistant
Goldberg, Benjamin	Medicine	Associate Professor
Goldberger, Solomon M.	Pediatrics	Associate
Goldwasser, Moses	Medicine	Associate
Golub, Hymen W.	Medicine	Instructor
Goodman, Ephraim F.	Surgery	Instructor
Goodman, Louis	Pathology, Medicine	Instructor
Gowen, G. Howard	Public Health	Instructor
Greeley, Paul W.	Surgery	Instructor
Green, Raymond	Surgery	Associate
Grimmer, Everett A.	Orthopaedics	Assistant
Grossman, Maurice O.	Medicine	Assistant
Grosz, Eugene	Medicine	Instructor
Gurvey, Julius	Medicine	Instructor
Halevy, Arthur A.	Surgery	Instructor
Halper, Philip A.	Ophthalmology	Associate
Halpern, Louis J.	Pediatrics	Instructor
Hammond, Walter C.	Obstetrics, Gynecology	Assistant Professor
Hark, Frederick W.	Orthopaedics	Assistant Professor
Harned, John W.	Otolarnygology	Instructor
Harsha, William M.	Surgery	Professor, *Emeritus*
Hartung, Adolph	Roentgenology	Professor
Harvey, Cecil C.	Physiological Chemistry	Assistant
Hassin, George B.	Neurology	Professor
Hazlett, William H.	Surgery	Assistant Professor
Hecht, Rudolph	Medicine	Instructor
Herrold, Russell D.	Surgery	Associate Professor
Hess, Julius H.	Pediatrics	Professor
Hibbert, George F.	Obstetrics, Gynecology	Instructor
Hick, Ford K.	Medicine	Assistant Professor
Higgins, John A.	Pharmacology	Instructor
Hill, Harold H.	Obstetrics, Gynecology	Associate
Hirschberg, Nell	Pathology, Bacteriology	Instructor
Hoffman, Samuel J.	Pediatrics	Associate
Holinger, Paul H.	Otolaryngology	Instructor
Hollender, Abraham R.	Otolaryngology	Associate
Holm, Alf J.	Surgery	Assistant
Holub, Louis A.	Surgery	Assistant
Hood, Marion	Medicine	Associate
Hoover, Harold M.	Medicine	Assistant
Horick, Edward J.	Ophthalmology	Associate
Howe, Gertrude E.	Medicine	Assistant
Howe, John S.	Pathology	Associate
Hull, Thomas G.	Bacteriology, Public Health	Assistant Professor
Humiston, Charles E.	Surgery	Professor, *Emeritus*
Ingraham, Raymond C.	Physiology	Instructor
Ireneus, Carl, Jr.	Surgery	Assistant
Irish, Henry E.	Pediatrics	Professor
Jacobs, Howard M.	Pediatrics	Instructor
Jacobs, William F.	Medicine	Assistant
Jaffray, David S.	Surgery	Instructor
Jenkins, Richard L.	Criminology	Assistant Professor
Jesser, Joseph H.	Surgery	Assistant
Jirka, Frank J.	Surgery	Assistant Professor
Joannides, Minas	Surgery	Associate
Johnson, Clarence A.	Physiological Chemistry	Associate
Johnson, Nobel G.	Medical Jurisprudence	Lecturer

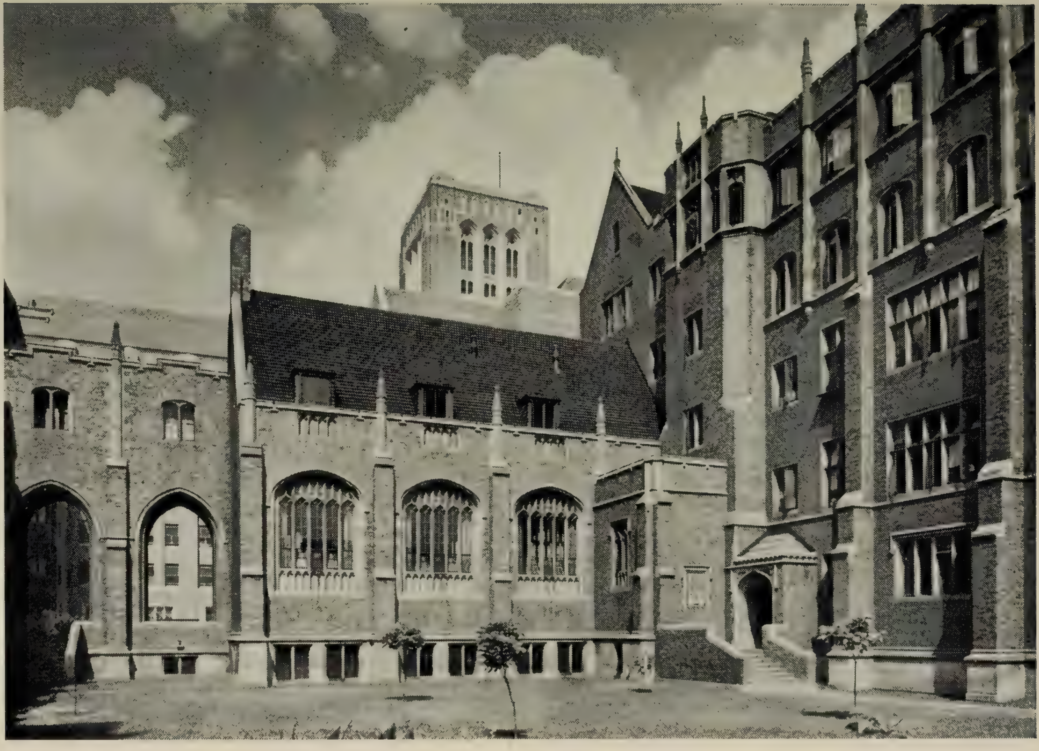
Name	*Department*	*Rank*
Jones, Emily R.	Bacteriology, Public Health	Assistant
Jones, Robert M.	Medicine	Instructor
Jones, Thomas S.	Medical Illustration	Associate Professor
Joranson, Yngve	Anatomy	Assistant Professor
Kampmeier, Otto F.	Anatomy	Professor
Kaplan, Maurice	Psychiatry	Assistant
Kaplan, Morris A.	Medicine	Instructor
Kaplan, Samuel	Obstetrics, Gynecology	Associate
Kaufman, Irving	Medicine	Assistant
Kearns, Jerry J.	Pathology	Associate
Keeton, Robert W.	Medicine	Professor
Kendrick, Aaron B.	Medicine	Associate
Kiefer, Joseph H.	Surgery	Instructor
Klassen, Clarence W.	Bacteriology	Associate
Klawans, Harold L.	Otolaryngology	Instructor
Klein, Arthur D.	Physiology	Assistant
Klein, Reuben I.	Pathology, Pediatrics	Instructor
Klemptner, Dietrich	Medicine	Associate
Kobak, Alfred J.	Obstetrics, Gynecology	Associate
Kordenat, Ralph A.	Surgery	Assistant Professor
Koucky, John D.	Surgery	Associate Professor
Kraines, Samuel H.	Psychiatry	Associate
Krasnow, Henry R.	Dermatology	Instructor
Krehbiel, Robert H.	Anatomy	Instructor
Kronenberg, Milton H.	Bacteriology, Public Health	Associate
Krueger, Paul F.	Bacteriology, Public Health	Instructor
Kuhns, Ralph H.	Psychiatry	Instructor
Ladd, Robert L.	Pathology	Assistant Professor
Lambert, Claude N.	Orthopaedics	Associate
Lang, John M.	Obstetrics, Gynecology	Assistant Professor
Larkin, Leo C.	Medicine	Assistant
Lash, Abraham F.	Obstetrics, Gynecology	Assistant Professor
Lederer, Francis L.	Otolaryngology	Professor
Ledoux, Alfred C.	Roentgenology	Instructor
Leichenger, Harry	Pediatrics	Associate
Levin, Benjamin M.	Pediatrics	Instructor
Levine, Arthur H.	Medicine	Assistant
LeVine, Howard J.	Medicine	Assistant
LeVine, Victor	Pathology	Associate
Levinson, Samuel A.	Pathology	Associate Professor
	Medicine	Assistant Professor
Levinson, Sidney O.	Pediatrics	Instructor
Levinthal, Daniel H.	Orthopaedics	Assistant Professor
Levy, Herman A.	Medicine	Instructor
Lewison, Maurice	Medicine	Professor
Lewy, Robert B.	Otolaryngology	Assistant
Lichtenstein, Ben W.	Neurology, Neurological Surgery	Instructor
Liebman, Samuel	Medicine	Assistant
Lifvendahl, Richard A.	Obstetrics, Gynecology	Associate
Limarzi, Louis R.	Medicine	Associate
Livingston, George S.	Otolaryngology	Associate
Lotspiech, John E.	Surgery	Instructor
Low, Abraham A.	Psychiatry	Assistant Professor
Lueth, Harold C.	Medicine	Associate
Lusk, Frank B.	Medicine	Associate Professor
Lyon, Verne W.	Criminology	Instructor
Lyon, Will F.	Surgery	Assistant Professor
MacFate, Robert P.	Pathology	Associate
Mackay, Roland P.	Neurology	Associate Professor
Malcolm, Robert B.	Surgery	Associate Professor
Marquardt, George W.	Surgery	Assistant
Marshall, William A.	Orthopaedics	Associate

Name	*Department*	*Rank*
Mason, Herman C.	Bacteriology, Public Health	Instructor
Matthies, Richard A.	Surgery	Assistant
McArthur, Selim W.	Surgery	Associate Professor
McCabe, John O.	Orthopaedics	Assistant
McDaniels, Herbert E.	Bacteriology, Public Health	Associate
McGill, Ernest C.	Obstetrics, Gynecology	Assistant
McGuigan, Hugh A.	Pharmacology	Professor
McKenna, Charles M.	Surgery	Professor
McLaughlin, Jane R.	Obstetrics, Gynecology	Instructor
McMillan, Foster L.	Surgery	Associate
McMillian, J. Charles, Jr.	Medicine	Instructor
Melnick, Perry J.	Pathology	Associate
Mettler, Lee H.	Neurology	Professor, *Emeritus*
Meyer, Harold I.	Surgery	Assistant Professor
Meyer, Hershel	Medicine	Assistant
Meyer, Jacob	Medicine	Associate Professor
Miller, Leo F.	Orthopaedics	Instructor
Milles, George	Pathology	Assistant Professor
Minard, David	Physiology	Instructor
Mishkin, Herman L.	Surgery	Instructor
	Anatomy	Assistant
Mohr, George J.	Criminology	Associate Professor
Moore, Ernest S.	Medicine	Associate Professor, *Emeritus*
Mora, Jacob M.	Surgery	Assistant Professor
Morwitz, Samuel M.	Otolaryngology	Instructor
Mosko, Milton M.	Medicine	Assistant
Muehlberger, Clarence W.	Pharmacology	Lecturer
Munroe, Barbara S.	Hospital Laboratory	Assistant
Murphy, Frank G.	Orthopaedics	Assistant Professor
Murray, Warren G.	Criminology	Lecturer
Nadeau, Oscar E.	Surgery	Associate Professor
Nedzel, Alexander J.	Bacteriology, Public Health	Associate Professor
Nelson, Tell	Medicine	Associate
Newberger, Charles	Obstetrics, Gynecology	Assistant Professor
Noyes, Helen M.	Orthopaedics	Assistant
Ocasek, William C.	Medicine	Assistant
O'Conor, Vincent J.	Surgery	Associate Professor
Oden, Rudolph J. E.	Surgery	Assistant Professor
Oldberg, Eric	Neurology, Neurological Surgery	Professor
Olkon, David M.	Psychiatry, Neurology	Assistant Professor
O'Malley, James E.	Medicine	Assistant
Pace, Earle R.	Dermatology	Instructor
Padnos, Emanuel	Pediatrics	Instructor
Palmer, Mahlon P.	Otolaryngology	Instructor
Parker, Morris L.	Surgery	Assistant
Paskind, Jacob	Psychiatry	Instructor
Pass, Bernard J.	Medicine	Assistant
Passarelli, Edwin W.	Medicine	Instructor
Pattengale, Nell T.	Otolaryngology	Instructor
Pauker, Norbert	Pediatrics	Instructor
Pearlman, Benjamin	Medicine	Instructor
Peluse, Samuel	Laryngology	Instructor
Penning, Howard L.	Obstetrics, Gynecology	Assistant
Percy, Nelson M.	Surgery	Professor
Perlstein, Minnie O.	Dermatology	Associate
Perlstein, Samuel	Medicine	Associate Professor
Petersen, William F.	Pathology	Professor
Phifer, Charles H.	Surgery	Professor
Pick, John F.	Surgery	Instructor
Pierce, Norval H.	Otolaryngology	Professor, *Emeritus*
Pilot, Isadore	Medicine, Pathology	Associate Professor
Platin, Joseph W.	Surgery	Instructor
Poncher, Henry G.	Pediatrics	Associate Professor

Name	*Department*	*Rank*
Pontius, Guy V.	Surgery	Associate
Portis, Bernard	Surgery	Assistant Professor
Post, George W., Jr.	Surgery	Associate Professor
Poulson, Charles T.	Medicine	Assistant
Propst, Duane W.	Medicine	Assistant Professor
Puestow, Charles B.	Surgery	Associate Professor
Pusey, William A.	Dermatology	Professor, *Emeritus*
Rabens, Isidore A.	Medicine	Assistant Professor
Ragins, Alex B.	Pathology	Instructor
Ragins, Oscar B.	Medicine	Associate
Rappaport, Ben Z.	Medicine	Associate
Rattner, Herbert	Dermatology	Associate
Reals, William H.	Pediatrics	Instructor
Reed, Carlos I.	Physiology	Associate Professor
Reynolds, John T.	Surgery	Assistant
Rezek, George H.	Obstetrics, Gynecology	Instructor
Rheingold, Joseph C.	Psychiatry	Associate
Richman, Samuel H.	Roentgenology	Instructor
Richter, Irving B.	Pediatrics	Assistant
Rind, Rudla B.	Medicine	Assistant
Riser, Roy O.	Ophthalmology	Instructor
Ritch, Colquitt O.	Surgery	Associate
Ritter, Israel I.	Medicine	Assistant
Roberg, Norman B.	Medicine	Instructor
Robins, Louis S.	Pediatrics	Associate
Rogers, Samuel P.	Orthopaedics	Assistant
Roll, Harvey C.	Dermatology	Assistant
Rooney, Eugene J.	Medicine	Assistant
Roos, Fred J.	Obstetrics, Gynecology	Instructor
Rose, Maurice J.	Obstetrics, Gynecology	Instructor
Rosenblum, Philip	Pediatrics	Assistant Professor
Rosenblum, Samuel H.	Medicine	Instructor
Rosenthal, Sol R.	Bacteriology, Public Health	Associate
Ross, Edward	Psychiatry	Assistant
Roth, Harold A.	Surgery	Assistant
Roth, John B.	Medicine, Anatomy	Assistant
Rubin, Harold X.	Medicine	Assistant
Rudolph, Abraham H.	Medicine	Assistant
Sahlstrom, Edward C.	Surgery	Assistant
Saltiel, Thomas P.	Pediatrics	Associate
Sanders, Alexander	Medicine	Assistant
Saphir, Otto	Pathology	Associate Professor
Sarma, P. Joseph	Surgery	Assistant Professor
Savitt, Louis	Otolaryngology	Assistant
Schacht, Frederick W.	Surgery	Instructor
Scheffler, Milton M.	Obstetrics, Gynecology	Assistant
Schell, Milton C.	Medicine	Assistant
Schneider, Maurice	Pediatrics	Instructor
Schneider, Philip F.	Obstetrics, Gynecology	Instructor
Schoolman, Joseph G.	Laryngology	Assistant
Schorr, Henry C.	Dermatology	Instructor
Schroeder, Paul L.	Criminology	Professor
Schultz, Louis	Surgery	Professor, *Emeritus*
Schultz, Louis W.	Surgery	Assistant Professor
Schwartz, Harry R.	Medicine	Assistant
Sciarretta, Sylvio A.	Otolaryngology	Instructor
Scuderi, Carlo S.	Surgery	Associate
Seed, Lindon	Surgery	Associate Professor
Seidmon, Edward E. P.	Bacteriology, Public Health	Instructor
Senear, Francis E.	Dermatology	Professor
Shapiro, Sherman L.	Otolaryngology	Assistant Professor
Shellow, Harold	Dermatology	Instructor
Sherman, Irene C.	Psychiatry	Associate

Name	*Department*	*Rank*
Shure, Norman	Medicine	Assistant
Siegal, Henry A.	Medicine	Associate
Simer, Parke H.	Anatomy	Assistant Professor
Simon, David C.	Medicine	Assistant
Singer, H. Douglas	Psychiatry	Professor
Singer, John D.	Medicine	Assistant
Skorodin, Bernard	Psychiatry	Assistant
Slaughter, Danely P.	Surgery	Assistant
Sloan, Leroy H.	Medicine	Professor
Smith, C. Otis	Obstetrics, Gynecology	Instructor
Smith, Hiram J.	Ophthalmology	Assistant Professor
Solomon, Alfred P.	Psychiatry	Assistant Professor
Sonenthal, Israel R.	Psychiatry	Assistant
Sorensen, Raymond E.	Surgery	Assistant
Spaeth, Ralph	Pediatrics	Instructor
Spellberg, Mitchell A.	Medicine	Assistant
Spiesman, Irwin G.	Otolaryngology	Associate
Spivack, Julius L.	Surgery	Assistant Professor
Stagman, Joseph	Otolaryngology	Assistant
Steck, Irving E.	Physiology, Medicine	Instructor
Steigmann, Frederick	Medicine	Associate
Stein, Emil J.	Surgery Anatomy	Associate Instructor
Stephan, Robert M.	Physiological Chemistry	Instructor
Stephens, Virgil R.	Surgery	Associate
Stone, Frank L.	Obstetrics, Gynecology	Assistant Professor
Strauss, Sidney	Medicine	Professor
Streicher, Michael H.	Medicine	Assistant Professor
Strohl, Everett L.	Surgery	Assistant
Struck, Harold C.	Physiology	Instructor
Stuart, Carroll W.	Bacteriology, Public Health	Instructor
Sukov, Marvin	Criminology	Instructor
Suldane, John A.	Pediatrics	Instructor
Summerville, Milton J.	Obstetrics, Gynecology	Associate
Szurek, Stanislaus A.	Psychiatry	Associate
Takats, Géza de	Surgery	Associate Professor
Tanner, John G.	Pharmacology	Assistant
Tarnowsky, George de	Surgery	Professor
Teitelman, Stanley L.	Medicine	Assistant
Terman, Louis A.	Medicine	Assistant
Teton, Joseph B.	Obstetrics, Gynecology	Assistant
Theobald, John J.	Otolaryngology	Assistant Professor
Theobald, Walter H.	Otolaryngology	Assistant Professor
Thomas, Henry B.	Orthopaedics	Professor
Thorek, Philip	Anatomy, Surgery	Assistant
Tice, Frederick	Medicine	Professor, *Emeritus*
Tigay, Clara D.	Pediatrics	Instructor
Timblin, William S.	Medicine	Instructor
Tinsley, Milton	Neurology, Neurological Surgery	Assistant
Toriello, Lawrence A.	Illustration	Photographer
Troxell, Beryl	Bacteriology, Public Health	Instructor
Tucker, Winston H.	Public Health	Associate
Turner, Horace E.	Medicine, Orthopaedics	Assistant
Tuta, Joseph A.	Pathology	Associate
Van Alyea, Oliver E.	Otolaryngology	Associate
Vander Kloot, Albert	Medicine	Assistant Professor
Van Hazel, Willard	Surgery	Associate Professor
Wachowski, Theodore J.	Roentgenology	Associate
Wade, Helen W.	Pediatrics	Assistant
Wagner, David H.	Surgery	Instructor
Wakerlin, George E.	Physiology	Professor
Wall, Harry C.	Medicine	Assistant
Wall, John W.	Otolaryngology	Assistant

Name	*Department*	*Rank*
Wallheiser, LaVerne M.	Obstetrics, Gynecology	Assistant
Webb, Richard L.	Anatomy	Assistant Professor
Weber, Leonard F.	Dermatology	Assistant Professor
Weihe, Arthur R.	Anatomy	Assistant
Weinfeld, Gustave F.	Pediatrics	Associate
Weiss, Emil	Bacteriology, Public Health	Associate
Weiss, Morris	Medicine	Assistant
Welker, William H.	Physiological Chemistry	Professor
Wernicke, Henry O.	Surgery	Associate
Whitcomb, Frances C.	Pathology	Assistant
White, Adeline R.	Anatomy	Assistant, *Emeritus*
Wien, Max S.	Dermatology	Associate Professor
Wien, Norman A.	Medicine	Assistant
Wilburn, Homer V.	Medicine	Assistant
Williams, Ernest B.	Medicine	Assistant
Wilson, Franklin S.	Medicine	Assistant Professor
Wolff, John R.	Obstetrics, Gynecology	Instructor
Wood, Casey A.	Ophthalmology	Professor, *Emeritus*
Worthington, Major H.	Criminology	Lecturer
Yarros, Rachelle S.	Social Hygiene	Professor
Yesinick, Louis	Physiology	Assistant
Zechel, Gustav L.	Anatomy Surgery	Assistant Professor Associate
Ziegler, Lloyd H.	Psychiatry	Lecturer
Zimmermann, Arnold A.	Anatomy	Associate Professor



LIBRARY AND PASSAGEWAY TO HOSPITAL WITH NEW LABORATORY BUILDING IN BACKGROUND

MEDICAL AND DENTAL COLLEGE LABORATORIES BUILDING

THE COLLEGE OF MEDICINE

History

The College of Medicine opened its doors on October 14, 1881, as a proprietary medical school known as "The College of Physicians and Surgeons of Chicago." It first became affiliated with the University of Illinois in 1897, the name was officially changed in 1900 to "The College of Medicine of the University of Illinois," and in 1913 all the property and the stock of the old institution were transferred to the University.

Buildings

The first unit of the Medical and Dental College Laboratories Building, facing on Polk and Wolcott Streets, and connecting directly with the Research and Library Building on the north and with the Research and Educational Hospital on the south, has been in operation since 1931. A new unit, which houses the College of Dentistry and provides additional laboratory and research space for several departments of the College of Medicine, has been completed and was occupied in November, 1937. The new unit, facing on Polk and Wood Streets, connects directly with the first unit and also with the Research and Educational Hospital. The Library consists of two large reading rooms with more than 50,000 volumes and an extensive list of medical periodicals. Desk space is provided for persons interested in research. In addition to the large laboratories for class work, there are numerous small laboratories designed for individual research projects.

The Department of Public Welfare of the State of Illinois has constructed an extensive group of hospitals and laboratories adjoining the buildings of the University and has made a cooperative agreement by which additional facilities for teaching and investigation are afforded to the faculty of the College of Medicine. The units now in operation include the Research and Educational Hospital, the Out-Patient Dispensary, the Orthopaedic Institute, the Psychiatric Institute, and the Institute for Juvenile Research.

The Research and Educational Hospital, planned and built for teaching and investigation, with 400 beds, connects directly with the classrooms and laboratories of the College of Medicine. Each year nearly 6,000 patients, all charity cases, are admitted. The Obstetrical Department handles approximately 1,000 deliveries each year, seventy per cent of which are in the hospital, with the remainder cared for at home. There are seven surgical operating rooms, two with large and the remainder with small amphitheatres. A well-equipped cancer clinic is being opened in the fall of 1938, with a 400,000-volt therapeutic x-ray machine and a supply of radium. The entire hospital is used in teaching the medical students their clinical work.

The Out-Patient Dispensary, which occupies the main floor of this hospital, possesses adequate and comfortable waiting rooms, suitable suites for all divisions of clinical work, a large amphitheatre, electrocardiograph and hydrotherapeutic units, and rooms for preparing and dispensing drugs. The Dispensary is divided into thirteen departments: medicine, surgery, urology, obstetrics, gynecology, pediatrics, orthopaedics, otolaryngology, dermatology, ophthalmology, neurology, psychiatry, and roentgenology. At present the number of treatments is limited to about 125,000 per year. The Otolaryngology Department has recently acquired a biplane fluoroscope for the location of foreign bodies in the lungs and bronchial passages and for aiding in the study of pulmonary pathology.

The Illinois Surgical Institute for Children, known commonly as the Orthopaedic Institute, has beds for 130 patients, with complete physiotherapy and hydrotherapy equipment. It has also a therapeutic pool, solarium for group ultraviolet treatment, school rooms, occupational therapy facilities, a recreational room, a large research laboratory, and a complete shop for manufacturing braces and plaster casts.

The Psychiatric Institute has been planned as a central research institute for the entire state. There are now sixty beds for psychotic cases, and provision has recently been made for a new neuro-psychiatric building to accommodate 150 patients. Active teaching is done both in the dispensary and in the wards.

Active teaching is also being conducted at the present time in the following hospitals: the Cook County Hospital, the Municipal Contagious Hospital, the Augustana Hospital, the Michael Reese Hospital, and the St. Luke's Hospital.

Admission

Applications for admission must be made to the Examiner of the College of Medicine in Chicago. Credentials covering all college and high school work must be sent directly to the Examiner from each institution attended. No student who is on scholastic probation at, or who has been dropped for poor scholarship from, the last institution attended prior to seeking admission will be considered. The number of first-year students is restricted by space limitations.

Since the class list is made up near the end of June, completed applications including all credentials should be in the Examiner's Office before that time.

First-year students are enrolled only at the beginning of the fall semester. There is no mid-year admission and no regular summer session.

Three-Year Requirements.—The following new requirements will go into full effect when the number of applicants who fulfill them equals the number who can be efficiently accommodated in the first-year class. However, preference will be given to students who comply with them beginning in 1937, subject to the conditions mentioned below as to residence and students registered in the medical curriculum beginning with the pre-medical work at Urbana. The applicant must present satisfactory evidence of seven years of study as follows:

(1) Four years in an accredited high school or the equivalent, with not fewer than fifteen units of credit.

(2) Not less than eighty-eight semester hours in a recognized college or university, exclusive of military, hygiene, and physical education. Each applicant, whether from the University of Illinois or from another institution, must have attained a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (*see note 1, page 28*). In determining the scholastic average, grades received in military science, physical education, and hygiene will not be considered. The eighty-eight semester hours must include the following:

	SEMESTER HOURS
Chemistry (including, in addition to introductory courses, four hours of organic chemistry, three hours of quantitative analysis, and three hours of elementary physical chemistry), not less than...	16
Physics (including laboratory work in mechanics, heat, sound, light, and electricity), not less than..................................	8
Biology (including general and vertebrate zoology and general embryology), not less than..................................	10
English, not less than..................................	6
German or French (*see note 3, page 28*), not less than............	6
Social sciences (including elections from at least two of the following fields: anthropology, economics, history, philosophy, political science, psychology, and sociology)............................	14
Electives to make a total of	88

The Dean and the Registrar may waive full compliance with the course specifications if the applicant possesses unusually high qualifications.

No conditions are permitted.—The requirements for admission as stated above must be met in full before admission will be granted. No deficiencies are permitted.

Health certificate.—Each applicant for admission, before he will be permitted to register, must present a certificate from his family physician indicating (a) good physical condition, (b) freedom from respiratory and dental infections, (c) successful vaccination against smallpox, and (d) Schick and Dick reactions. If a student is unable to show negative Schick and Dick reactions, he must report to the University Health Officer for immunization before registration for the second year. Physical examinations during the first year are compulsory, and every effort is made by the Health Service of the College of Medicine to assist each student in solving his own health problems throughout his course.

Renewing applications.—An applicant who has been granted admission to the College of Medicine but fails to enroll, and who wishes to enter in a subsequent year, must re-apply for admission and must meet all the requirements in force at the time of such new application.

Procedure for students who have completed their pre-medical work at the University of Illinois.—The eight-year medical curriculum offered by the University consists of three years of pre-professional work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (after this pre-clinical work a B.S. degree may be given), two years of clinical work in the College of Medicine (for the four years in the College of Medicine the student at his option may receive the degree of Bachelor of Medicine), and one year as in interne in a hospital approved by the University. The registration of students at Urbana who have completed the requirements of the first three years of the medical curriculum (the pre-professional work) is continued in the College of Medicine, provided that at least the second and third years of the pre-professional work have been completed at Urbana. Students who have completed the former two-year curriculum will continue to have priority provided they transfer to the College of Medicine on or before the beginning of the academic year 1938-39, and provided all their pre-medical work has been done at Urbana. After that date such priority will be based on the completion of the new three-year curriculum outlined above. Registration of students entitled to continue in the College of Medicine is subject to the following conditions:

(1) The student who wishes thus to continue his work in the University must signify his intention to the Registrar, on a form provided by the Registrar, not later than March 1 of the year in which he proposes to continue his work in the College of Medicine in Chicago.

(2) The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of a deposit of $15.00 within two weeks of the date of notification that he will be admitted. Failure to pay this deposit within the specified time will subject the applicant to forfeiture of his place. If he enters, the deposit will be applied on the fees of the first semester.

(3) No student who is on probation in the University (or who has been dropped from the University for poor scholarship) at the time he seeks to continue his University registration in the College of Medicine, has any claim to precedence in registration over students who come with clear records from the University of Illinois or other institutions.

(4) No student at Urbana will be permitted to transfer his registration to the College of Medicine while his record shows a deficiency in any of the subjects which, as general requirements of the University, are a part of his curriculum.

(5) The registration of non-residents of Illinois can be continued in the College of Medicine only provided there is room after all properly qualified residents of the State have been accommodated.

Procedure for students who have completed their pre-medical work at institutions other than the University of Illinois.—The order of admission to the College of Medicine of students who have had their pre-medical work at other institutions shall be based upon their scholastic records; provided that the minimum scholastic average in all cases shall be equivalent to a 3.5 average in the University's grading system, as now required. The scholastic records of all such applicants shall be averaged on or about July 1 and the first-year class shall be filled by assigning to it applicants in the order of their scholastic standing, beginning with the highest ranking applicant; vacancies which may occur after all places in the class have been assigned may be filled from the remaining applicants in the order of their scholastic standing. In September, 1937, and thereafter preference will be given to students who comply with the new three-year requirements stated above.

Preference to Illinois residents.—In considering applications for admission to the College of Medicine, preference is given to candidates who are residents of Illinois. Places in the first-year class shall be assigned to applicants from Cook County and to applicants from Illinois outside of Cook County in the proportion which each area bears to the total population of the state according to the latest federal census; provided that if at any time the quota from either area is not filled the remaining places may be assigned to applicants from the other area. On this basis at the present time approximately fifty per cent of the places in the first-year class will be assigned to applicants from Cook County and fifty per cent to applicants who are residents of Illinois outside of Cook County.

Former two-year requirements.—If there are places in the first-year class of the College of Medicine after all properly qualified three-year candidates (see three-year requirements above) have been accommodated, such places will be filled by scholarship rank from candidates who meet the former two-year requirements, which are as follows:

(1) Four years of work in an accredited high school or the equivalent, comprising not fewer than fifteen units in acceptable subjects, including prescribed subjects as follows:

	UNITS
English	3
Algebra	1
Plane geometry	1
Latin, Greek, German, or French (both units in the same language)	2
History and civics	1
Electives	7
Total	15

(2) Two years of work in a recognized college or university, comprising not less than sixty semester hours, exclusive of military, hygiene, and physical education. Each applicant, whether from the University of Illinois, or from other institutions of recognized standing, must have attained in his pre-medical work a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (*see note 1, below*). In determining the scholastic average, grades received in military science, physical education, and hygiene will not be considered. The work must include prescribed and elective subjects as follows:

	SEMESTER HOURS
Chemistry (including four hours of organic chemistry)	12
Physics (at least two hours of laboratory work)	8
Zoology (at least four hours of laboratory work, *see note 2, below*)	8
English	6
German or French (*see note 3, below*)	6
Electives outside of the chemical, physical, and biological sciences (*see note 4, below*)	6
Free electives (*see note 4, below*)	14
Total	60

NOTE 1: GRADES.—This rule is interpreted according to the number of passing grades. In a system of four passing grades, A, B, C, and D, the literal grades are translated into figures as follows: A = 5; B = 4; C = 3; D = 2; E (failure) = 1. Where there are more or less than four passing grades, the computation is adjusted to make the same level of accomplishment apply. The individual grades are multiplied by the respective number of semester hours which each represents, and the sum of these products is divided by the total number of semester hours taken. In the case of courses previously passed, both grades earned will be counted in computing the average.

NOTE 2: ZOOLOGY.—Four of these eight semester hours must consist of laboratory work. This requirement must include a course in general zoology and one in vertebrate zoology. Botany is not accepted as meeting any part of the requirement.

NOTE 3: GERMAN, FRENCH.—The student is urged to secure a reading knowledge of one of these languages. This will ordinarily require at least six hours of work in the same language in college after two years in high school, or two full years of work (in a class reciting at least three periods a week) in college if the language was not begun in high school.

NOTE 4: ELECTIVES.—Psychology should be the first elective for pre-medical students and Mathematics the second elective. Other electives may be chosen from the following: Botany, Chemistry (physical, and quantitative analysis), Drawing, Economics, English, Greek, History, Latin, Logic, Political Science, Sociology, Zoology.

Courses Offered at Urbana

Attention is called to the fact that the University at Urbana offers the student his choice of the following combinations:

1. *A seven-year curriculum*—two years in a recognized college of liberal arts and sciences followed by five years in the College of Medicine. The work of the first two years must include certain prescribed subjects. On the completion of the first two years in the College of Medicine, students may receive the degree of Bachelor of Science; and on the completion of the five years in the College of Medicine, they receive the degree of Doctor of Medicine. This curriculum will meet the requirements for admission to the College of Medicine only for pre-medical students at Urbana who enter the College of Medicine in October, 1938.

2. *An eight-year curriculum*—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College

of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts or Bachelor of Science. On the completion of the remaining four years in the College of Medicine they receive the degree of Doctor of Medicine.

3. *A nine-year curriculum*—four years in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts or Bachelor of Science, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to students who are of the average age of graduation from the public high schools.

Advanced Standing

Because of the limitations of space, the membership of each class is strictly limited. Applications for admission with advanced standing to any class will not be considered until vacancies are certain to occur. In case there are vacancies to be filled preference will be given to those applicants who are residents of Illinois and who present the strongest records.

In general, the administration cannot determine definitely whether there will be vacancies, or the number of vacancies, until the day of registration.

No student who is on probation at, or who has been dropped for any reason from, a college of medicine will be considered for admission.

Requirements for Graduation

For the Bachelor of Science Degree.—A student must have secured passing grades in all the courses of the first two years in the College of Medicine and have passed the comprehensive examinations required at the end of the second year.

For the Certificate in Medicine or the Bachelor of Medicine Degree.—Upon the completion of four years in attendance at an approved medical school, of which at least the last year must have been at the University of Illinois, the completion of the prescribed curriculum, and the passing of the comprehensive examinations required at the end of the fourth year, the student is awarded a Certificate in Medicine, or if he wishes to pay the additional fee of $10.00, he may elect to take the degree of Bachelor of Medicine.

For the Doctor of Medicine Degree.—To receive the degree of Doctor of Medicine, the student, after having qualified for the Certificate in Medicine (see preceding statement), must complete satisfactorily a course of not less than twelve months duration in a hospital approved by the University of Illinois,[1] or a year of research work acceptable to the University. He must also have shown evidence of good moral character and have paid all indebtedness to the University.

Graduation with Honors.—A student who complies with the requirements for graduation and who attains in all work presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated; for an average grade of not less than 87%, Graduation with Honors; for an average grade of not less than 90%, Graduation with High Honors. The honors conferred shall be noted upon the diploma and the Commencement program.

Plan of Instruction

The program of the student during his five years in the College of Medicine is arranged according to the following plan:

During the first two years the work is confined mainly to the fundamental sciences, and the time of the student is largely spent in the laboratory. During the first year he studies anatomy, histology, embryology, neurology, chemistry, and physiology. In the second year the study of physiology is continued, and in addition the student takes up bacteriology, pathology, laboratory diagnosis, pharmacology, physical diagnosis, and hygiene.

Throughout the first two years there is definite correlation between the clinical and the pre-clinical courses. A regular schedule of lectures by clinical instructors is followed in the courses in anatomy, physiology, and physiological chemistry, to give the student an understanding of the practical applications of the fundamentals which he is studying.

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[1] See Medical Practice Act of the State of Illinois, Senate Bill No. 439, approved June 30, 1923.

SUMMARY OF CLOCK HOURS—FIRST AND SECOND YEARS

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
FIRST YEAR					
Anatomy, Gross	40	128	40	112	320
Histology	24	72	12	36	144
Embryology	24	48	..	..	72
Neurology	..	..	24	48	72
Physiological Chemistry	32	64	32	64	192
Physiology	..	..	64	48	112
Total	120	312	172	308	912
SECOND YEAR					
Bacteriology	36	108	..	..	144
Hygiene	..	..	32	..	32
Medicine	16	..	..	..	16
Physical Diagnosis	..	..	16	32	48
Pathology, General	14	24	80	122	240
Pathology, Clinical	..	..	32	64	96
Pharmacology	32	96	48	32	208
Physiology	64	96	48	..	208
Surgery	..	..	16	..	16
Total	162	324	272	250	1,008

SUMMARY OF CLOCK HOURS—THIRD AND FOURTH YEARS

Subjects	Lecture and Quiz	Laboratory	Clerkship	Dispensary	Clinic	Total
THIRD YEAR						
Anaesthesia	8	..	..	..	..	8
Autopsies and Pathology	16	64	..	..	..	80
Criminology	16	..	..	..	..	16
Dermatology	32	..	..	..	..	32
Medicine	64	..	100	..	96	260
Neuro-Surgery	16	..	..	..	16	32
Obstetrics and Gynecology	64	16	24	24	16	144
Orthopaedics	16	..	..	24	24	64
Otolaryngology	48	..	..	24	..	72
Pediatrics	32	..	17	..	24	73
Psychiatry	16	..	..	..	..	16
Therapeutics	32	..	..	..	..	32
Surgery	64	..	34	48	72	218
Urology	16	..	..	..	..	16
Electives	64	..	..	..	..	64
Total	504	80	175	120	248	1,127
FOURTH YEAR						
Anatomy, Topographic	..	64	..	..	..	64
Dermatology	..	..	..	12	32	44
Gynecology	40	..	7	32	32	111
Hygiene	32	..	..	..	..	32
Jurisprudence	16	..	..	..	..	16
Medicine	..	48	..	72	160	280
Neuro-Surgery	..	..	..	24	64	88
Obstetrics	..	16	2 weeks[2]	..	32	48
Ophthalmology	16	..	..	40	..	56
Orthopaedics	..	..	9	..	..	9
Otolaryngology	..	..	..	..	16	16
Pediatrics	..	..	36[3]	24	72	132
Psychiatry	12	..	24	24	12	72
Roentgenology	32	..	..	12	..	44
Surgery (includes Anaesthesia)	..	..	96[1]	..	108	204
Urology	..	..	..	24	16	40
Electives	176	..	..	..	..	176
Total	324	128	172	264	544	1,432

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[1] Includes four-week ward clerkship in Research and Educational Hospital.
[2] On call full time, 24 hours per day.
[3] Municipal Contagious Hospital.

During the third and fourth years the time is devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics. In the dispensary the student examines the cases personally under the guidance of instructors. He is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has opportunity to follow and repeat these and to learn the technique involved.

Throughout the third year emphasis is laid on the acquisition of a thorough knowledge of clinical problems. There are didactic quiz courses in surgery, medicine, pediatrics, obstetrics, urology, orthopaedics, and otolaryngology. In addition to these didactic courses the students attend clinics in each field and spend a large amount of time in the dispensaries (surgery, otolaryngology, obstetrics, and orthopaedics). They also spend a minimum of three hours per day for eight weeks in the wards of the Research and Educational Hospital and the Cook County Hospital, learning the fundamentals of physical diagnosis and treatment.

In the fourth year the class is divided into two sections; the students in each section attend clinics and lectures during one semester and work in dispensaries and laboratories and on clinical clerkships during the other semester. Each student is required to spend two full weeks, living in quarters specified by the University, on call for twenty-four hours per day for the obstetrical out-patient service. During this clerkship two students are called for each delivery in the Research and Educational Hospital and to attend each delivery supervised through the out-patient service.

All students have experience in the following dispensaries in the fourth year: dermatology, gynecology, medicine, neurology, ophthalmology, pediatrics, roentgenology, and urology. They also work in the general "Admitting Clinic" of the Research and Educational Hospital and spend three weeks in the laboratory, making the common practical tests for dispensary patients. Each student serves a one-week clerkship in the Municipal Contagious Hospital, observing and studying the common contagious diseases. Clerkships are also conducted in the Orthopaedic and Psychiatric Institutes. There is also a four-week surgical clerkship including individual work in wards and operating rooms.

In the third year the student must elect two hours per week in each semester. In the fourth year, five and one-half hours per week of elective work must be taken, at least one hour of which must be in surgery. This elective work of the third and fourth years may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular field. The elective work may be counted for graduate credit provided the student qualifies as required by the Graduate School.

The examinations at the end of the second and fourth years are of a comprehensive nature and may be either written or oral.

The fifth year consists of twelve months of interne service in a hospital approved by the University. During the fourth year the students apply to the hospitals in which they wish to serve as internes and, if successful, sign contracts for the service desired. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in any way with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the requirements of the curriculum.

Since the Colleges of Dentistry and Medicine now occupy the same building, the faculties of the two colleges are able to cooperate on mutual problems to an extent formerly impossible. Much of the teaching in each college is thus on a higher level through the ability to call on the staff of the other college. The staffs continually collaborate on research problems. The same type of cooperation extends to the staff of the University at Urbana.

Significance of Grades

The percentage system of grading is used, and 70% is the passing grade. Where it is necessary to translate percentage to literal grades the following values are used: "A," 92 to 100%; "B," 85 to 91%; "C," 75 to 84%; "D," 70 to 74%.

Admission to Licensing Examinations in England

The Royal College of Physicians and Surgeons added the University of Illinois to the list of universities whose medical departments are recognized by that Board. By this action graduates of this institution are exempt from all preliminary examinations and are admitted to the final licensing examination of the Examining Board.

Fees[1] and Expenses

Matriculation Fee.—(Paid by each new student who has not previously registered in the University of Illinois) .... $ 10.00

Tuition and Laboratory Fees:

	FIRST YEAR		SECOND YEAR[2]		THIRD YEAR		FOURTH YEAR[2]	
	1st Sem.	*2nd Sem.*	*1st Sem.*	*2nd Sem.*	*1st Sem.*	*2nd Sem.*	*1st Sem.*	*2nd Sem.*
Tuition	$75.00	$75.00	$75.00	$75.00	$75.00	$75.00	$75.00	$75.00
Laboratory	33.00	48.00	56.00	38.50	65.00	65.00	65.00	65.00
Total	$108.00	$123.00	$131.00	$113.50	$140.00	$140.00	$140.00	$140.00

Note: The above fees are for students entering in September, 1936, and thereafter. (For fees applicable to other students, see Circular for 1936-37.)

Although non-resident students have not been considered for a number of years, the non-resident tuition fee has been set at $112.50 per semester with the same laboratory fees as listed above.

Late Registration Fee.—Former students who enter after the registration days pay a late registration fee of .... $ 5.00

Special Examination Fee.—For any special examination a fee of 5.00

Change Fee.—For every change of study-list made later than the Saturday noon following registration, a fee of $1.00 is charged, except that the total charge for the rearrangement authorized on any one change-slip shall not exceed 2.00

(The above ruling applies to registration for electives after the dates specified for regular registration.)

Transcript Fee.—Each student who has paid all his University fees is entitled to receive, without charge, one transcript of his record. For additional transcripts, charges are made as follows:

For each original, or first, copy 1.00
For each carbon copy .... .50

County Hospital Ticket.—Compulsory for third-year and fourth-year students.. 5.00

Obstetrical Out-Patient Clerkship Service Fee.—Required of all fourth-year students $15.00

Listener's or Visitor's Fee.—For each 25 clock hours, or fraction thereof:

Residents of Illinois pay 10.00
Non-residents of Illinois pay 20.00

Special Fees.—A number of the departments offer Special Courses for Physicians. The fee for each of these courses is $75.00 a semester plus laboratory and clinic fees. Where registrations are accepted for one-half a course or less, the tuition fee is $50.00 a semester. Laboratory and clinic fees are determined for each individual registration jointly by the department concerned, the Registrar's Office, and the Business Office, on the basis of the cost of the materials involved. Fees are assessed and collected at the time of registration. Members of the staffs of the University of Illinois, the Research and Educational Hospitals, the Institute of Juvenile Research, the Cook County Hospital, and the Cook County Morgue are permitted to attend the lectures in these courses without paying the special fees. (No members of the instructional staff are allowed to accept special fees.)

Unclassified Students.—Fees charged unclassified students are based on the amount of work taken.

Payment of Deferred Fees.—In cases of necessity, students may arrange for deferment of fees by calling at the Business Office, Room 110, Medical and Dental College Laboratories Building.

A service charge of ten per cent of the amount of fees deferred, but not to exceed $3.00 a semester will be charged for the privilege of deferring fees, and this charge

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[1] The Trustees reserve the right to change the fees at any time through publication in the annual announcement. Laboratory fees are subject to adjustment from year to year.

[2] Graduation fee of $10.00 is required, payable at the end of the second year by students receiving the B.S. degree, and at the end of the fourth year by students receiving the Certificate in Medicine. Payment for the latter covers the M.D. graduation fee. Students receiving the B.M. degree pay, at the end of the fourth year, two graduation fees of $10.00 each, one for the B.M. degree and one for the M.D. degree.

must be paid on Registration Day. If deferred fees are paid in full within ten days from the date of registration, the service charge will be refunded *except* that a minimum service charge of $1.00 will be retained by the University in all cases. The matriculation fee of $10.00 (if not previously paid), the service charge, not less than twenty-five per cent of the current semester fees, and all fees and charges from previous semesters must be paid *on Registration Day.* Failure to meet payments of fees within the time limits will cancel at once the privilege of attending classes. Registration is not completed until fees are paid in full, and no credit will be recorded for class work completed unless all fees and all other charges have been paid in full. Deferred payment of fees delays the completion of registration but extends the privilege of attending classes pending payment of fees in full as described above.

Deposit.—An applicant for admission to the College of Medicine who is assigned a place in any class, is required to make a deposit of $15.00 within two weeks of the date of notification that he will be admitted. This deposit will be applied on fees, including laboratory fees, assessed against him during the first semester. Failure to pay this deposit within the specified time will subject the applicant to the forfeiture of his place. No deposit will be returned unless the applicant notifies the College of Medicine not later than September 1 that he will not be able to enter. The Registrar is authorized to make refunds after September 1 when, in his judgment, the circumstances so justify.

Refunds.—If a student withdraws from the University within ten days after the beginning of instruction, the total amount of his fees will be refunded with the exception that neither the matriculation fee nor the $15.00 deposit is refundable. After ten days and before the expiration of one month, a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months, a refund of one-half of these fees will be made. After two months and before the expiration of three months, a refund of one-fourth of these fees will be made. After the expiration of three months, no part of the fees will be refunded.

Fees for Part-Time Students.—Effective for new students entering in September, 1936, and thereafter. (For partial fees applicable to other students, see Circular for 1936-37.)

Residents of Illinois registered for partial programs pay fees as follows: In first-year and second-year courses, 25 cents per clock hour, plus regular laboratory fees in the courses for which the student registers. In third-year and fourth-year courses, 20 cents per clock hour, plus full laboratory fees and an additional 15 cents per clock hour for courses involving dispensary or infirmary.

Non-state students registered for partial programs pay one and one-half times the above stated clock hour fees, except for dispensary and infirmary.

In no case will a part-time student be assessed a larger fee than the regular fees for full-time work.

Alumni are admitted to all regular undergraduate courses without charges except in laboratory work in which a charge is made for material used.

Books, etc.—The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of textbooks. Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

Living Expenses.—The expenses of living in Chicago are less than in most large cities. From forty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs. A ten-story Y.M.C.A. building located three blocks from the College affords a comfortable home for students.

Scholarships and Loan Funds

Rea Scholarships.—Through the generosity of the late Professor R. L. Rea, four scholarships each year, awarded by the officers of the faculty, are provided for worthy students. For the session of 1937-38, these scholarships were granted to the following students:

RAYMOND E. BENSON
DESALES G. DUVIGNEAUD
HARVE W. JOURDAN
STANLEY W. OLSON

Theodore B. Shnitzer Memorial Scholarship.—An annual award of $100 has been made available to a needy Jewish student who ranks in the upper half of his class and who has completed at least one year in the College of Medicine. The scholarship is awarded by a committee of the faculty. In 1937 this scholarship was awarded to Robert Levy.

Charles Spencer Williamson Memorial Scholarship.—The faculty and other friends of the late Professor Williamson, for many years Head of the Department of Medicine, have established an endowment fund, the proceeds of which will become an annual scholarship for a capable and needy student, either graduate or undergraduate, the awards to be made by the Dean and the Head of the Department of Medicine.

Note.—Students holding the following undergraduate scholarships are exempt from matriculation and tuition fees, but are required to pay all laboratory and dispensary fees:

General Assembly Scholarships.—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships.—For World War Veterans. Special provisions passed by the General Assembly in 1919.

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

Loan Funds.—A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. For more detailed information, apply to the Business Office.

Lectureships

In commemoration of members of the alumni, faculty, and student body who lost their lives during the World War, the alumni, faculty, and students have raised a fund sufficient to establish a Memorial Lectureship. At least one lecture is delivered annually by a prominent educator on a subject of general medical interest.

In accordance with the will of Mrs. Albertina Gehrmann, widow of Dr. Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a lectureship in memory of Dr. Gehrmann. The thirteenth series of these lectures was delivered in March, 1938, by Dr. Thomas M. Rivers, of the Rockefeller Foundation.

In 1927, when Dr. Charles S. Bacon, on reaching the retiring age, was made Professor of Obstetrics, *Emeritus,* members of the faculty and friends of Dr. Bacon contributed the sum of $5,000 to found the Charles S. Bacon Lectureship in Obstetrics. The income from this fund is used to defray expenses of lectures given each year at the College of Medicine. The eighth series of these lectures was delivered in February, 1938, by Dr. Carl G. Hartman, of Johns Hopkins University and the Carnegie Institution of Washington.

The Chicago Tuberculosis Institute has granted to the College of Medicine $2,500 a year for a period of five years to establish a Theodore B. Sachs Residency in the field of tuberculosis and allied diseases.

Medical lectures, clinical conferences, and the meetings of the Research Club and Sigma Xi occupy the one o'clock hour each Wednesday of the school year. Clinical conferences and pathological conferences are held regularly each week at times which are announced at the beginning of each semester.

Prizes

The late Dr. Frank Smithies, of Chicago, endowed an annual prize in memory of William Beaumont, the famous surgeon of the nineteenth century who made valuable contributions to the knowledge of the digestive system. The prize is awarded by a committee appointed by the Dean of the College of Medicine to the student or faculty member of the College of Medicine who submits the best original work on diseases of the alimentary tract. The eleventh award was made in June, 1937, to Dr. Yngve Joranson and Dr. Joseph Simons.

A prize of $100, established by Dr. and Mrs. H. O. Deuss as a memorial to their son James Burkett Deuss, is given in alternate years for the best contribution in the field of allergy by any registered student or member of the faculty of the College of Medicine.

COURSES OFFERED IN THE COLLEGE OF MEDICINE

Note: The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise stated, the Arabic numerals following the description of courses indicate the number of one-hour periods per week. The Roman numerals I and II indicate the semester in which the course is given.

ANATOMY

Professors: KAMPMEIER (Head of the Department).
Associate Professors: ZIMMERMANN, COOPER, VON BONIN.
Assistant Professors: JORANSON, WEBB, ZECHEL, SIMER.
Instructors: STEIN, BOELIO, FISCH, KREHBIEL.
Assistants: BURROWS, WHITE (Retired), THOREK, MISHKIN, BERGQUIST, DYER, WEIHE, FARRINGTON, GLASSMAN, ROTH, BROADBENT, GAZDA.

REQUIRED COURSES—FIRST YEAR

1-4. HUMAN ANATOMY.—To insure greater correlation and unity in presentation of the subject matter, the following major divisions are merged into a single course extending continuously throughout both semesters. Credit toward graduation is not allowed for either semester separately. The total time, 608 hours, is apportioned approximately as follows: histology, 144 hours; embryology, 72 hours; regional and systematic anatomy, 288 hours; neurology, 72 hours. One hour per week during the two semesters (32 hours total for the year) is set aside for introductory clinical demonstrations, presented by selected members of the several clinical departments, and designed to illustrate the application of anatomical knowledge in medical and surgical practice. Of the 336 anatomical hours in the first semester, and 272 in the second, approximately three-fourths of the time is given to laboratory work, and the remaining one-fourth to lectures, demonstrations, and quizzes. Professor KAMPMEIER and others.

REQUIRED COURSES—FOURTH YEAR

30. TOPOGRAPHICAL ANATOMY.—Redissection of the body, stressing the topography and relations of the various regions and organs, as displayed by incisions, window dissections, and transections; intimate correlation of subject matter with clinical conditions and procedure. I, (4). Assistant Professor ZECHEL and others.

ELECTIVE COURSES

50. MICROSCOPICAL TECHNIC.—Preparation of tissues for study; methods of maceration, decalcification, injection, corrosion, preservation, fixation, embedding, sectioning, staining, clearing, mounting, etc. One 2-hour period per week. I and II, (2). Registration limited. Dr. BOELIO.

51. ANATOMY OF FETUS AND CHILD.—Dissection of the fetus; consideration of problems of growth during prenatal and postnatal periods of life. Two 2-hour periods per week. I or II, (4). Registration limited. Associate Professor ZIMMERMANN.

52. COMPARATIVE NEUROLOGY.—A comparative study of the morphology of the central nervous system, particularly of those animals in the phylogenetic line leading to man; a consideration also of related problems in comparative embryology, physiology, and psychology in their bearing on clinical neurology. Two 1-hour periods per week. I, (2). Associate Professor VON BONIN.

53. PREPARATIONS FOR ANATOMICAL MUSEUM.—The creation of special dissections, reconstructions, models, and demonstration specimens for the anatomical teaching collection requiring skill, ingenuity, neatness, and accuracy in execution. Two 2-hour periods per week. I and II, (4). Limited to two or three qualified students. Professor KAMPMEIER, Associate Professor COOPER, and others.

54. PHYSICAL ANTHROPOLOGY.—Phylogeny of human races; anthropometry of living and skeletal material; anthropogeography; racial physiology and pathology;

growth of populations and racial distributions of modern man; social anthropology; racial psychology and eugenics. Two 2-hour periods per week. I, (4). Associate Professor VON BONIN.

SEMINAR.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication; presentation and discussion of the results of investigations.

80. DISSECTION.—In this course opportunity is given for a complete redissection of the human body during the summer months. The course cannot be taken for credit, and is open only to students of the second to the fifth year, inclusive. The course provides for no formal instruction, but strict supervision is maintained to ensure the proper use of the material. Four students are assigned to a body. The department reserves the right to limit, when necessary, the total number of students taking the course. Every student wishing to enroll must apply personally to the head of the department before approval may be given. The fee for each student is $25. The duration of the course is three months, beginning in the middle of June.

SPECIAL COURSES FOR PHYSICIANS

90. DISSECTION.—This course for physicians and surgeons provides for complete or partial dissection of the human cadaver. The length of time allotted depends on the subject matter to be covered, and on the laboratory space available. Special instruction is given only if four or more persons are taking the course at the same time, and if they arrange for such instruction. For fees, see page 32. (*Note:* Physicians and surgeons who are members of the staff of the College of Medicine have the privilege of dissection in the Department of Anatomy after payment of a fee covering the bare cost of the material.) Professor KAMPMEIER, Associate Professor COOPER.

COURSES FOR GRADUATE STUDENTS

101. ADVANCED ANATOMY.—The work may take the direction either of macroscopic or of microscopic anatomy, or of both, according to the student's major problem: in macroscopic anatomy, a detailed redissection of the human body, or any of its parts; in microscopic anatomy (embryology, cytology, histology, etc.), a consideration of morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. (Work in the laboratory for tissue culture in association with Assistant Professor ZECHEL). Course designed for students choosing anatomy as a minor, and for students preparing for individual research in anatomy. (*1 to 2 units*). Professor KAMPMEIER, Associate Professor VON BONIN, Assistant Professor WEBB.

103. INDIVIDUAL RESEARCH.—In embryology, cytology and histology, neurology, anthropology and biometrics, experimental morphology, functional and applied anatomy. (*1 to 3 units*). Professor KAMPMEIER, Associate Professor VON BONIN, Assistant Professor WEBB.

CRIMINOLOGY, SOCIAL HYGIENE, AND MEDICAL JURISPRUDENCE

Professors: SCHROEDER (Head of the Department), YARROS.
Associate Professors: BROWN, MOHR.
Assistant Professors: BARRICK, JENKINS, GITELSON.
Associates: FRENCH.
Lecturers: JOHNSON, MURRAY, WORTHINGTON, BRANDON.
Instructors: LYON, SUKOV.

This department in cooperation with the Department of Psychiatry presents first the behavior problems in children from the point of view of etiology, pathology, and symptomology as a basis for treatment and prevention of criminality and mental disease in later life. The Department concerns itself also with presentation of medical ethics, the legal implications of medicine, and the significant sociological problems which are a part of the physician's responsibility in family welfare, sex education, and the social problems of venereal disease and prostitution.

REQUIRED COURSES—THIRD YEAR

10. PSYCHIATRY, CRIMINOLOGY, AND BEHAVIOR PROBLEMS.—Pathology and prevention of mental deficiency and delinquency. I and II, (1). Professor SCHROEDER and others.

REQUIRED COURSES—FOURTH YEAR

50. MEDICAL JURISPRUDENCE.—Eight weeks, II, (1). Mr. JOHNSON.
51. MEDICAL SOCIOLOGY.—General outline of social hygiene, its program, and its relation to health and family welfare; responsibility of the physician as to the development of normal sex attitudes; prostitution as the largest contributing cause of venereal disease; modern attitudes toward prostitution. Eight weeks, II, (1). Professor YARROS.

ELECTIVE COURSES—FOURTH YEAR

70. MENTAL HYGIENE.—Management of behavior difficulties in young children. Case presentation and discussion. Eight weeks, II, (1). Professor SCHROEDER, Dr. FRENCH.
71. MENTAL HYGIENE.—Mental hygiene of adolescence. Educational counsel and vocational guidance. Eight weeks, II, (1). Assistant Professor GITELSON.

72a. CLINICAL ADMINISTRATION OF BEHAVIOR PROBLEMS (JUVENILE).—Causes of juvenile delinquency; individualization in treatment, with attention to relationship of physician in court procedure. I, (1). Assistant Professor GITELSON.

72b. CLINICAL ADMINISTRATION OF BEHAVIOR PROBLEMS (ADULT).—Individualization in treatment of adult offenders. A study of personality and the determinants of deviations in behavior with respect to the relationships within the situation of the individual. Synthesis is attempted through a system of classification according to personality type, etiology, prognosis, and the indicated therapy. I, (1). Dr. BARRICK.

73. CRIMINAL IDENTIFICATION.—Application of physical structure and functions in identification of criminals. Eight weeks, I, (1). Dr. LYON.
74. HOSPITAL ORGANIZATION AND ADMINISTRATION.—Eight weeks, I, (1). Dr. WORTHINGTON.
75. INTRODUCTION TO PUBLIC WELFARE ADMINISTRATION.—Eight weeks, I, (1). Mr. BRANDON.
76. PSYCHOLOGY OF NEUROTIC BEHAVIOR.—Lectures and discussions. Brief outline of emotional development of the child. Case discussions illustrating the influence of disturbances in emotional development in causation of behavior problems of childhood, and of neuroses and criminal behavior in adult life. II, (1). Associate Professor MOHR, Dr. FRENCH.

SPECIAL COURSES FOR PHYSICIANS

90. LECTURES AND CONFERENCES.—The treatment of behavior problems in children is properly a function of the pediatrician and the general practitioner. This course is designed to meet the needs of the physician in the recognition and treatment of such problems. The course will consist of an organized program of case presentations followed by discussions, dealing with behavior disorders as a symptom of organic disease, the recognition and management of mental deficiency, problems of habit training (bed wetting, anorexia, etc.), behavior disorders due to unhealthy parent-child relationships, and delinquency. Eight evening meetings. Hours to be arranged. For fees, see page 32.

90a. CLINICAL COURSE.—*Prerequisite:* Course 90. (*Note:* Course 90 may be taken concurrently with 90a.) Analysis and treatment of behavior problems in children under supervision in the clinic of the Institute for Juvenile Research. Duration, four months. Six hours weekly to be arranged. For fees, see page 32.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN JUVENILE BEHAVIOR.—(*1 to 3 units*). Professor SCHROEDER.
102. ADVANCED WORK IN JUVENILE BEHAVIOR.—(*1 to 3 units*). Professor SCHROEDER.
103. SPECIAL ABILITIES AND DISABILITIES.—(*1 or 2 units*). Associate Professor BROWN.
104. PSYCHOLOGICAL TESTS.—(*1 or 2 units*). Associate Professor BROWN.
105. PSYCHOLOGY OF BEHAVIOR PROBLEMS.—(*1 or 2 units*). Associate Professor BROWN.
106. FIELD WORK IN CRIMINOLOGY.—(*1 to 3 units*). Professor SCHROEDER.

DERMATOLOGY

Professors: SENEAR (Head of the Department), PUSEY (Emeritus).
Associate Professors: WIEN.
Assistant Professors: CORNBLEET, WEBER.
Associates: CARO, RATTNER, PERLSTEIN.
Instructors: KRASNOW, PACE, SCHORR, FORD, SHELLOW, ROLL.
Cooperating: Professor BACHEM.

REQUIRED COURSES—THIRD YEAR

10. DIDACTIC LECTURES ON DERMATOLOGY AND SYPHILIS.—Lectures, lantern slides, and demonstrations. Continuous through I and II, (1). Professor SENEAR, Assistant Professor CORNBLEET, Dr. CARO.

REQUIRED COURSES—FOURTH YEAR

50. CLINIC.—Case demonstrations with patients from Research and Educational Hospital and Cook County Hospital. Continuous through I and II, (1). Professor SENEAR, Assistant Professor CORNBLEET.
51. DISPENSARY.—Including instruction in roentgenology. Six 2-hour periods for one week, I and II. Professors SENEAR and BACHEM, and others.

ELECTIVE COURSES—FOURTH YEAR

70. SYPHILIS.—Diagnostic and therapeutic methods. Eight weeks, I and II, (1). Professor SENEAR, Assistant Professor CORNBLEET.
71. DERMATOLOGY.—Special diagnostic and therapeutic methods. Eight weeks, I and II, (1). Professor SENEAR, Assistant Professor CORNBLEET.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN DERMATOLOGY.—(*1 to 3 units*). Professor SENEAR.

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

Professors: LEDERER (Head of the Department), PIERCE (Emeritus).
Associate Professors: BECK (Emeritus).
Assistant Professors: J. J. THEOBALD, W. H. THEOBALD, SHAPIRO.
Associates: LIVINGSTON, BREDLAU, FOX, HOLLENDER, SPIESMAN, VAN ALYEA, FISHMAN.
Instructors: COOMBS, HARNED, MORWITZ, FABRICANT, PALMER, SCIARRETTA, PATTENGALE,[1] HOLINGER,[2] KLAWANS, BLUMKLOTZ, PELUSE.
Assistants: STAGMAN, CAWTHORNE, WALL, SCHOOLMAN, LEWY, SAVITT.

The required courses in otolaryngology are so arranged that didactic instruction precedes the practical application of the specialty, at all times stressing its relation to general medicine. In the third year the student is given fundamental instruction in the basic principles by means of formal lectures, augmented by informal conferences in small groups. In the fourth year he is given an opportunity to apply the principles of diagnosis and treatment in the out-patient department by means of clinics designed to present the more common types of otolaryngologic affections and in dispensary service wherein he is taught individually and directly from patient contact.

REQUIRED COURSES—THIRD YEAR

10. EAR, NOSE, AND ACCESSORY SINUSES.—Surgical anatomy, physiology, pathology, and treatment. I, (1). Professor LEDERER.

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[1] Radium Therapy. [2] Bronchoscopy.

11. MOUTH, PHARYNX, AND LARYNX.—Surgical anatomy, applied pathology, and treatment. II, (1). Professor LEDERER.
12. CONFERENCE.—General survey of the field through the medium of quiz groups. I and II, (1). Dr. HOLLENDER, Dr. MORWITZ, Dr. SPIESMAN, Dr. FISHMAN.
13. DISPENSARY.—Research Hospital. Three 2-hour periods per week. Four weeks, I and II. Professor LEDERER and others.

REQUIRED COURSES—FOURTH YEAR

50. CLINICAL OTOLARYNGOLOGY.—Cases of interest are presented to illustrate the practical points in diagnosis. Indications for treatment and operation are discussed. Research Hospital. One 2-hour period per week. Eight weeks, I. Professor LEDERER, Assistant Professors J. J. THEOBALD and SHAPIRO, Dr. VAN ALYEA, Dr. FISHMAN.

ELECTIVE COURSES—FOURTH YEAR

70. SEMINAR IN OTOLARYNGOLOGY.—Presentation and discussion of clinical cases; critical review of results of investigations and current literature. Weekly conferences. Professor LEDERER and others.

SPECIAL COURSES FOR PHYSICIANS

(For fees, see page 32.)

90. CLINICAL COURSE.—Primarily for post-graduates in otolaryngology. Designed to present standardized methods in diagnosis and the problems of treatment based upon the pathological findings of cases in the ambulatory clinics of the Research and Educational Hospital. Taking of case histories, methods of examinations, special anatomy (optional), gross pathology, and indications for treatment and operation are stressed. The work is done for the most part independently under proper supervision and direction. An effort is made to assist the students in some of the more difficult phases of their clinical work by practical demonstrations, which are also available for men already established in special practice. The course extends over a period of four months and for three periods a year. Hours: 10:00 to 12:00 a.m. and 2:00 to 4:00 p.m., six days a week. Professor LEDERER and others.
91. FUNCTIONAL TESTS OF THE EAR.—(a) Cochlear apparatus with special consideration of the use of tuning forks. (b) Vestibular apparatus with special reference to the caloric, rotatory, and galvanic tests. 10 hours. Minimum, two students. Assistant Professors J. J. THEOBALD and SHAPIRO.
92. DISEASES OF THE LARYNX.—Anatomy and physiology. Demonstration upon patients of typical aspects of the disease with the exact description of differential diagnosis and methods of therapy. 10 hours. Limited to two students. Professor LEDERER, Dr. FISHMAN.
93. PHYSICAL THERAPEUTIC PROCEDURES IN OTOLARYNGOLOGY.—Indications and technical application of low-voltage and high-frequency currents, ionization, electrosurgery, and the medical uses of light, heat, and electricity in general. 12 hours. Limited to four students. Dr. HOLLENDER.
94. HISTOPATHOLOGY OF THE EAR, NOSE, AND THROAT.—Study of gross and microscopic histology and pathology; laboratory technic. 20 hours. Limited to two students. Professor LEDERER, Dr. FABRICANT.
95. BRONCHOSCOPY AND ESOPHAGOSCOPY.—Demonstration of methods of examination; indications and contraindications; manikin practice; technic of bronchography. Research Hospital. 12 hours. Limited to two students. Dr. HOLINGER.
96. OTONEUROLOGY.—Vestibular apparatus in relation to labyrinthine disease, brain tumors, and head injuries. 10 hours. Limited to five students. Assistant Professor SHAPIRO.
97. SURGICAL ANATOMY AND SURGERY OF THE MASTOID.—Demonstration of specimens and technic of operation. Practice on the cadaver. 10 hours. Limited to two students. Professor LEDERER, Dr. FISHMAN.
98. (a) SURGICAL ANATOMY OF THE NOSE AND SINUSES. (b) CLINICAL ASPECTS OF SINUS DISEASE.—10 hours. Minimum registration, two students. Dr. VAN ALYEA, Dr. FISHMAN.

Note: Courses 91 to 98, inclusive, may be registered for individually or in groups, the time being arranged with the instructors. More hours may be arranged by consent of the instructors. Applicants must be graduates of a Class A medical school and present proper credentials acceptable to the chairman of the department for admission.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN LARYNGOLOGY, RHINOLOGY, AND OTOLOGY.—(*1 to 3 units*). Professor LEDERER.

MEDICINE

Professors: KEETON (Head of the Department), TICE (Emeritus), LEWISON, STRAUSS, SLOAN.

Associate Professors: CHAUVET, MOORE (Emeritus), MEYER, PILOT, GOLDBERG, FREILICH, PERLSTEIN, LUSK, FOLEY.

Assistant Professors: LEVINSON, WILSON, CIPRIANI, PROPST, VANDERKLOOT, BIRCH, STREICHER, DEUSS, RABENS, DALITSCH, HICK.

Associates: RAPPAPORT, GOLDWASSER, FELDMAN, KLEMPTNER, NELSON, BECKER, BOLOTIN, BOIKAN, RAGINS, LUETH, AFREMOW, HOOD, KENDRICK, LIMARZI, SIEGAL, STEIGMANN.

Instructors: AARONSON, FISCH, CRUDIM, DETRANA,[1] GOLUB, GROSZ, GURVEY, PEARLMAN, FISCHER, AMTMAN, MCMILLAN, DREYER, JONES, PASSARELLI, DORMAN, ROSENBLUM, TIMBLIN, COE, HECHT, KAPLAN, LEVY, STECK, GOODMAN,[2] ROBERG,[3] BARNES.[4]

Assistants: SIMON, RIND, WILBURN, HOOVER, ROONEY, SCHELL, DITKOWSKY, LEVINE, RUDOLPH, MOSKO, TURNER, H. MEYER, SINGER, KAUFMAN, CONLEY, FIORITO, SHURE, WIEN, FEINHANDLER, JACOBS, RITTER, SPELLBERG, POULSON, EDIDIN, ROTH, WEISS, HOWE, O'MALLEY, OCASEK, RUBIN, BERNSTEIN, EHRLICH, SCHWARTZ, LARKIN, LEVINE, PASS, SANDERS, TERMAN, WILLIAMS, GROSSMAN, BAKER,[6] GOLDBERG,[6] TEITELMAN, WALL,[3] CHRISTIAN,[5] LIEBMAN.[5]

Cooperating: Professor CAMP.

The student is introduced to medicine through four correlation courses which are essentially extensions of those begun in the pre-clinical years. Thus in one, the physiological and biochemical laws of nutrition are applied to patients with various diseases; in two others, the physiology of the circulation as it is modified by cardiac failure and the cardiac arrhythmias is considered; and finally the pathological changes in the morphology of the blood are studied.

Through the individual study and examination of patients in the hospital wards and out-patient clinic the student learns the elements of physical diagnosis and the art of history taking. He also learns to recognize the physical findings characteristic of various diseases. In his fourth year he serves as a practicing physician to whom patients come for consultation on their problems.

These basic approaches to medicine are amplified and extended by didactic quiz courses, by lecture and demonstration clinics, and by numerous small clinics covering completely and authoritatively the field of medicine.

REQUIRED COURSES—SECOND YEAR

1. PHYSICAL DIAGNOSIS.—Practical drill on normal subjects. Small sections. II, (3). Professor LEWISON, Associate Professors CHAUVET and FREILICH, Dr. COE, Dr. AMTMAN, Dr. ROSENBLUM, Dr. RAGINS.
2. CLINIC.—Lectures and conferences with special reference to diseases of metabolism. I, (1). Professor KEETON.

REQUIRED COURSES—THIRD YEAR

10. SYSTEMATIC STUDY OF IMPORTANT DISEASES.—Lecture and quiz. Continuous through I and II, (2). Assistant Professors CIPRIANI, VANDERKLOOT, and DEUSS, Dr. BOIKAN, Dr. MCMILLAN.
11. CLINIC.—Selected topics. Research Hospital. Continuous through I and II, (1). Assistant Professors BIRCH, STREICHER, DALITSCH, and HICK.
12. CLINIC.—Selected topics. Cook County Hospital. Continuous through I and II, (1). Associate Professors PILOT and FREILICH, Assistant Professor FOLEY.

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[1] Resignation effective March 1, 1938.
[2] Beginning November 8, 1937.
[3] Beginning January 1, 1938.
[4] Beginning February 1, 1938.
[5] Beginning March 1, 1938.
[6] Beginning November 15, 1937.

13. Clinic.—Selected topics, with special reference to diseases of metabolism. Research Hospital. II, (1). Professor Keeton.
14. Clerkships.—History taking and physical diagnosis. Cook County, Michael Reese, and Research Hospitals. Students are directed in their work by the associates of the respective wards. Eight weeks, I and II, (17). Dr. Afremow, Dr. Ragins, Dr. Steigmann, Dr. Jones, Dr. Dreyer, Dr. Siegal, Dr. Rabens, Dr. Passarelli, Dr. Bernstein.
15. Dispensary.—Case presentation of patients studied in course 14, before a section of 20 students under the direction of attending men. Cook County and Research Hospitals. Eight weeks, I and II, (2). Professor Sloan, Associate Professors Pilot, Lusk, and Foley.
16. Clinic.—Electrocardiograph and Cardiac. Types of cardiac irregularities, mechanism of production, recognition of these and interpretation of electrocardiographs. One 1-hour period per week. One-fourth of class. Eight weeks, I and II, (1). Associate Professor Perlstein.
17. Clinic.—Physiology and pathophysiology of cardiac failure. Mechanics of circulation, clinical methods available for study, cardiac failure (right and left heart), and cardiac edema. One 1-hour period per week. One-fourth of class. Eight weeks, I and II, (1). Assistant Professor Hick.
18. Clinic.—Hematology. Research Hospital. One 2-hour period per week. One-fourth of class. Eight weeks, I and II, (2). Assistant Professor Birch, Dr. Jones, Dr. Limarzi.

Elective Courses—Third Year

30. Diseases of the Liver.—I, (1). Dr. DeTrana.
31. Diseases of the Gastro-Intestinal Tract.—Lectures and demonstrations. I, (1). Associate Professor Meyer.
33. Principles of Medicine.—Review course. II, (2). Dr. Afremow, Dr. Mosko.
35. The Patient as the Unit of Practice.—II, (1). Assistant Professor Propst.

Required Courses—Fourth Year

50. Clinic.—Selected topics with especial attention to differential diagnosis. Research Hospital. Continuous through I and II, (1). Professor Keeton.
51. Clinic.—Selected topics with especial attention to differential diagnosis. Cook County Hospital. Continuous through I and II, (1). Professor Sloan, Associate Professors Meyer, Lusk, and Foley.
52. Clinic.—Diseases in the field of allergy. Research Hospital. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Dr. Nelson, Dr. Rappaport, and others.
53. Clinic.—Chest and respiratory diseases. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Associate Professors Freilich, Lusk, and Goldberg, Assistant Professors Levinson and Deuss, Dr. Ragins.
54. Clinic.—Gastro-intestinal diseases including liver. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Professor Sloan, Associate Professors Meyer, Lusk, and Foley, Assistant Professor Streicher.
55. Clinic.—Hematology. Research Hospital. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Assistant Professor Birch, Dr. Jones, Dr. Limarzi.
56. Clinic.—Cardiology. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Professor Strauss, Associate Professor Perlstein, Dr. Boikan.
57. Clinic.—Cardiology. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Assistant Professors VanderKloot, Birch, Rabens, Dalitsch, and Hick, Dr. Goldwasser.
58. Clinic.—Kidney and peripheral vascular diseases. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Assistant Professors VanderKloot, Dalitsch, and Hick, Dr. Passarelli, Dr. Lueth.
59. Clinic.—Therapeutics. Research and Educational Hospital. One 2-hour period per week. Eight weeks, I and II, (2). Professor Camp, Associate Professor Foley, Assistant Professor Hick.

60. CLINICAL LABORATORY.—Familiarity with routine hospital laboratory procedure is stressed. Five 2-hour periods per week. Three weeks, I and II, (10). Dr. HOOD, Dr. KENDRICK, Dr. LIMARZI, and members of the dispensary staff.
61. ADMITTING CLINIC.—Research Hospital. Six 2-hour periods for two weeks, I and II. Dr. BECKER, Dr. PASSARELLI, and members of the dispensary staff.
62. DISPENSARY.—Training in the practice of medicine; physical examination, history taking, and diagnosis. Research and Educational Hospital. Four hours daily for two weeks, I and II. Members of the dispensary staff.

ELECTIVE COURSES—FOURTH YEAR

70. DISEASES OF THE GASTRO-INTESTINAL TRACT.—Lectures and demonstrations. II, (1). Associate Professor MEYER.
72. CLINICAL PARASITOLOGY.—Limited to eight students. One 2-hour period per week. Eight weeks, I, (2). Dr. HOOD.
73. PRINCIPLES OF MEDICINE.—Review course. I, (2). Dr. AFREMOW, Dr. MOSKO.
74. DISEASES OF THE HEART.—Selected topics. I, (1). Dr. FELDMAN.
75. DISEASES OF THE CHEST.—II, (1). Assistant Professor RABENS.
76. TUBERCULOSIS.—II, (1). Associate Professor GOLDBERG.
77. CARDIO-VASCULAR DISEASES.—I, (1). Professor LEWISON.
79. GASTRO-INTESTINAL DISFUNCTION.—I, (1). Dr. MCMILLAN.
80. DIETETICS.—Limited to twelve students. Eight weeks, II, (1). Dr. BECKER.
81. ALLERGY.—Limited to twelve students. Eight weeks, II, (1). Dr. NELSON.
82. CARDIO-VASCULAR DISEASE.—I and II, (1). Dr. BOIKAN.
83. TERTIARY LUES.—I, (1). Dr. DORMAN.
84. HYPERTENSIVE DISEASES.—Eight weeks, I, (1). Dr. BOLOTIN.
85. HISTORY OF MEDICINE.—I, (1).

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN MEDICINE.—(*1 to 3 units*). Professor KEETON, Assistant Professor BIRCH.

MEDICAL ILLUSTRATION

Associate Professor JONES

ELECTIVE COURSES FOR THIRD-YEAR AND FOURTH-YEAR STUDENTS

50. MEDICAL ILLUSTRATION.—Beginners' course designed for medical students and graduates who desire to improve their ability to sketch and make graphic records in their practice and research. The work consists in drawing medical subjects of various kinds from life, making of graphs and charts, lettering, perspective and use of crayon, pen and ink, wash and water color. Principles of medical photography and making of lantern slides, etc. Two 2-hour periods per week. I, (4). Limited to five students. Associate Professor JONES.

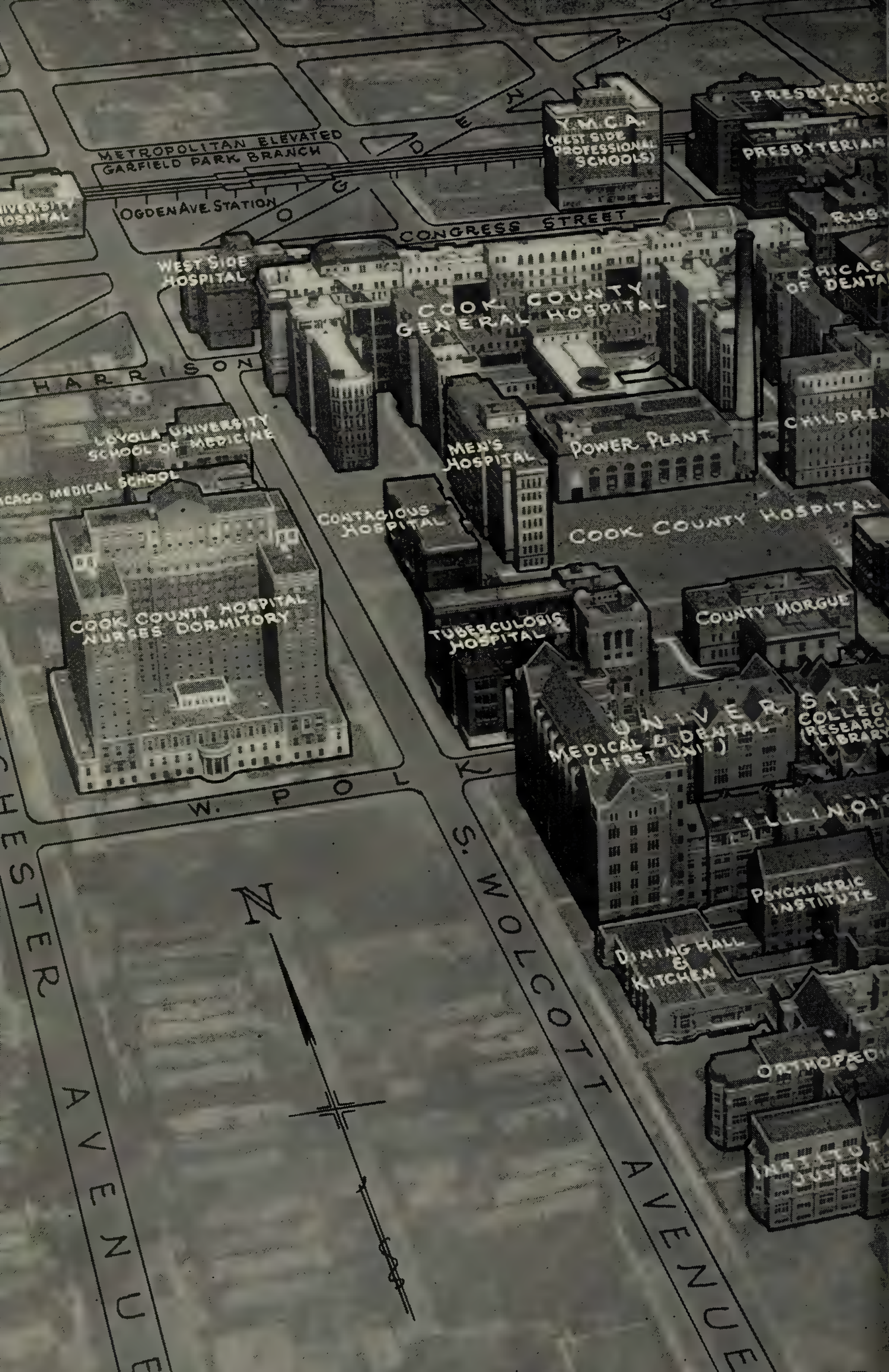
SPECIAL COURSES FOR NON-MEDICAL STUDENTS

90. MEDICAL ILLUSTRATION.—Offered for artists who desire to make a profession of scientific illustration in the field of medicine. The length of the course is two years, and students will work in the illustration studios with the staff artists. Instruction covers the various phases of illustrative work for publication and teaching in anatomy, pathology, surgery, etc., in different media as well as the preparation of scientific and lay exhibits. Students in this course will take the regular medical course in gross anatomy. Candidates for the course must present evidence of thorough general art training as well as scholastic and character credentials. Except in unusual cases applications must be made in person. Class limited to 6 students. Hours 9:00 a.m. to 4:00 p.m. Fee for each semester, $50, plus laboratory fees each semester.

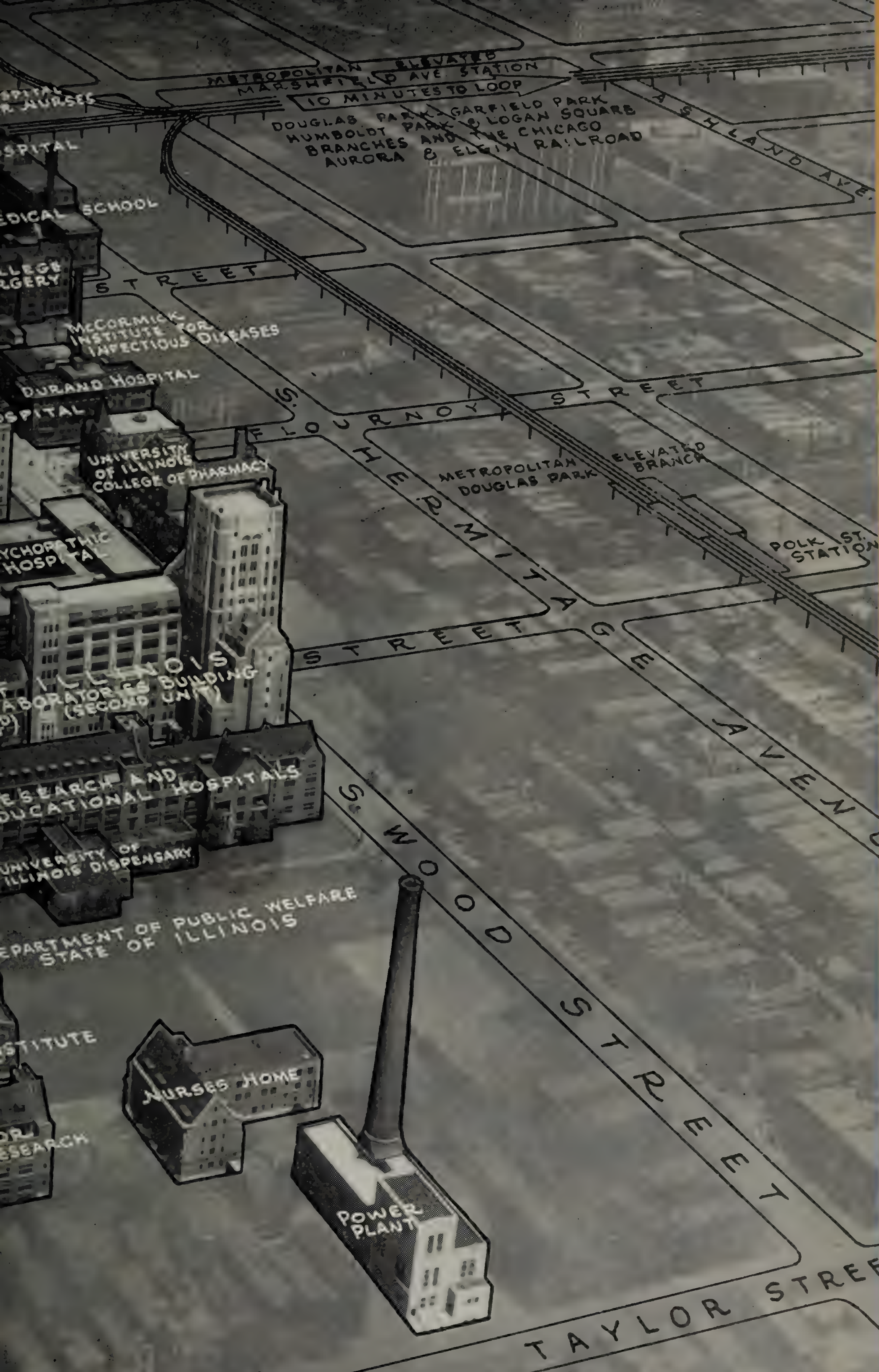
NEUROLOGY AND NEUROLOGICAL SURGERY

Professors: OLDBERG (Head of the Department), HASSIN.
Associate Professors: MACKAY.
Assistant Professors: DIAMOND, OLKON.
Instructors: LICHTENSTEIN.
Assistants: TINSLEY.

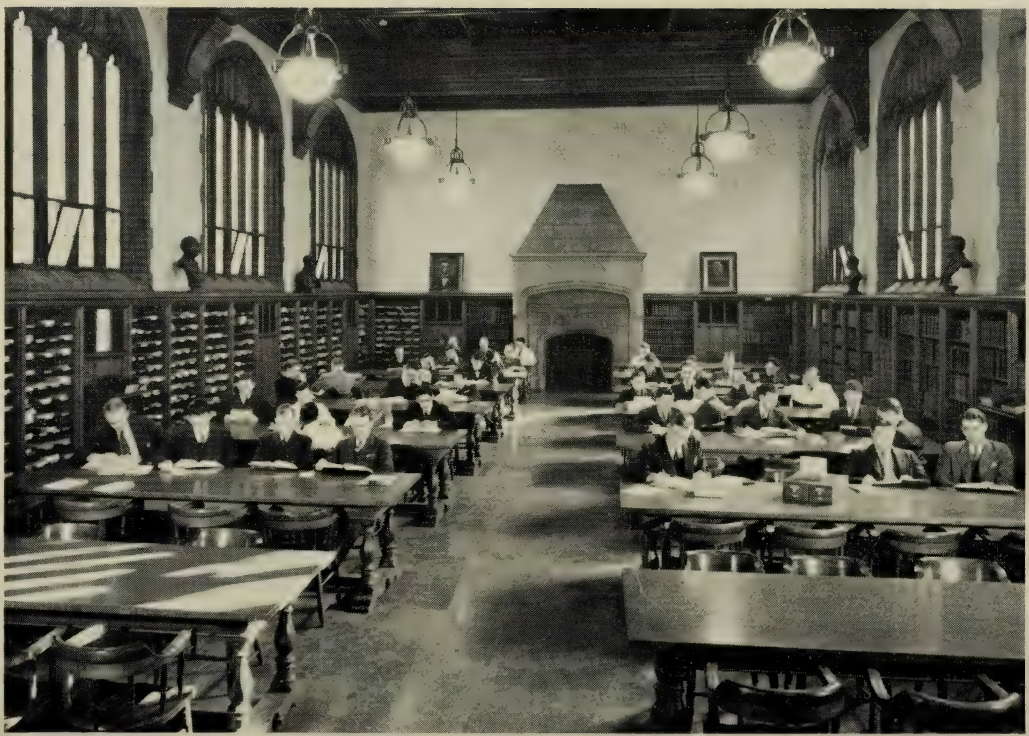
PANORAMIC VIEW OF MEDICAL AND DENTAL BUILDINGS



CHICAGO WEST SID



MEDICAL CENTER



MAIN READING ROOM OF THE LIBRARY

REQUIRED COURSES—THIRD YEAR

10. FUNDAMENTALS OF NEUROLOGY.—A correlation of the anatomy, physiology, pathology, and clinical examination of the nervous system. I, (1). Dr. LICHTENSTEIN.
11. NEUROLOGY CLINIC.—Systematic lectures and clinical demonstrations of the principal diseases of the nervous system. II, (1). Associate Professor MACKAY, Assistant Professor OLKON.

REQUIRED COURSES—FOURTH YEAR

50. NEUROLOGY CLINIC.—Lectures and demonstrations of clinical cases. I and II, (1). Professor HASSIN.
51. NEUROLOGICAL SURGERY.—Lectures and demonstrations of neurosurgical problems. Eight weeks for each quarter of the class. I and II, (2). Professor OLDBERG.
52. DISPENSARY.—Six 2-hour periods per week. Two weeks for each sixteenth of the class. I and II, (12). Entire staff of the department.

ELECTIVE COURSES—FOURTH YEAR

70. NEUROPATHOLOGY.—Eight weeks. II, (1). Limited to one-half the class. Lectures and demonstrations. Assistant Professor DIAMOND.
71. NEUROLOGY WARD WALK.—I and II, (1). Limited to ten students each semester. Professor OLDBERG.

SPECIAL COURSES FOR PHYSICIANS

90. CLINICAL COURSE.—Given in conjunction with the Department of Psychiatry. For fees, see page 32.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN NEUROLOGY.—(*1 to 3 units*). Professor HASSIN.
102. RESEARCH IN NEUROLOGICAL SURGERY.—(*1 to 3 units*). Professor OLDBERG.

OBSTETRICS AND GYNECOLOGY

Professors: FALLS (Head of the Department), BYFORD[1] (Emeritus), C. S. BACON (Emeritus).
Assistant Professors: LANG, HAMMOND, STONE, LASH, BROWNE, NEWBERGER.
Associates: LIFVENDAHL, KOBAK, KAPLAN, HILL, SUMMERVILLE.
Instructors: ROSE, A. R. BACON, BLOOMFIELD, MCLAUGHLIN, SMITH, SCHNEIDER, HIBBERT, WOLFF, REZEK, ROOS.
Assistants: CAREY, BERNELL, CLARK, FREDA, BOMZE, SCHEFFLER, WALLHEISER, PENNING, MCGILL,[2] TETON.[2]

The work of the obstetrical division is aimed to give the student a practical training in the fundamentals of obstetric practice. In the third year he covers systematically the entire subject in a lecture-quiz course supplemented by examination of individual patients in the dispensary. In the fourth year he is thoroughly drilled in prenatal care, birthroom and newborn nursery methods. He is taken into the home and is shown a simple technique for home delivery. He assists at normal deliveries and is taught to give ether anaesthesia to obstetrical cases. Complicated cases are presented clinically, and operations are demonstrated on the manikin and on living patients. Work in the out-patient service and in Research and Educational Hospital is supplemented by ward walks and demonstration of cases in the Cook County Hospital.

A. OBSTETRICS

REQUIRED COURSES—THIRD YEAR

10. PHYSIOLOGY OF PREGNANCY AND LABOR.—Lectures, quizzes, and demonstrations. I, (2). Assistant Professors NEWBERGER, LASH, BROWNE, and HAMMOND, Dr. HIBBERT, Dr. SCHNEIDER, Dr. HILL, Dr. REZEK, Dr. ROOS.
11. PATHOLOGY OF PREGNANCY AND LABOR AND THE PUERPERIUM.—Lectures, quizzes, and demonstrations. II, (2). Assistant Professors BROWNE, NEWBERGER, and LASH, Dr. SCHNEIDER, Dr. HIBBERT, Dr. HILL, Dr. WOLFF.
12. DISPENSARY OUT-CLINIC.—Three 2-hour periods per week. Four weeks, I and II. Assistant Professors BROWNE and NEWBERGER, Dr. BLOOMFIELD, Dr. HILL, Dr.

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[1] Deceased June 5, 1938. [2] Beginning November 15, 1937.

ROSE, Dr. KAPLAN, Dr. SMITH, Dr. CAREY, Dr. SCHNEIDER, Dr. HIBBERT, Dr. WOLFF, Dr. REZEK, Dr. ROOS.

13. OBSTETRICAL AND GYNECOLOGICAL LABORATORY.—Gross and microscopic specimens of such obstetrical complications as ruptured uterus, ablatio placenta, puerperal sepsis, ectopic pregnancy, hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented, and fresh specimens when available. One 2-hour period per week. Eight weeks, I and II. Dr. HILL, Dr. REZEK, Dr. WOLFF.
14. COOK COUNTY CLERKSHIP.—Each third-year student spends a twenty-four hour period on duty in the obstetrical ward in Cook County Hospital, observing all cases delivered during that time. Students see on the average ten deliveries. Dr. KOBAK and associate.

ELECTIVE COURSES—THIRD YEAR

(Will not be given for less than 5 students)

30. TOXEMIAS OF PREGNANCY.—II, (1). Dr. HILL.
31. COOK COUNTY HOSPITAL WARD WALK.—Limited to 20 students. Eight weeks, I and II. Dr. KOBAK and associate.
32. INFECTIONS.—Puerperal sepsis, breast abscess, pyelitis. II, (1). Dr. SUMMERVILLE.
34. HEMORRHAGES.—I, (1). Dr. HIBBERT.
35. REVIEW COURSE.—II, (1). Dr. BERNELL, Dr. ROSE.

REQUIRED COURSES—FOURTH YEAR

50. MANIKIN.—Obstetrical operations demonstrated and opportunity afforded to do the operation on the manikin under supervision and to become thoroughly familiar with the instruments and technic of such operations. Small groups and individual instruction. One 2-hour period per week. Eight weeks, I and II, (2). Assistant Professors BROWNE, HAMMOND, and NEWBERGER, Dr. HILL, Dr. HIBBERT.
51. CLINIC.—Demonstration of cases. Research and Educational Hospital. I and II, (1). Professor FALLS.
52. CLERKSHIP.—During the fourth year, two weeks of full-time clerkships are required. Students are housed in a group near the Research and Educational Hospital and are on call night and day. Two students are assigned to each case and are on duty from the time labor starts until the patient is delivered. They are required to keep records of the labors and the post-partum visits. They are occupied in the obstetrical ward of the hospital when not attending out-patient cases.

ELECTIVE COURSES—FOURTH YEAR

(Will not be given for less than 5 or more than 15 students)

70. HEART COMPLICATIONS IN PREGNANCY.—II, (1).
71. MANIKIN.—I, (1). Dr. KOBAK.
72. REVIEW COURSE.—I, (1). Dr. ROSE, Dr. BERNELL.
73. OPERATIVE OBSTETRICS.—I, (1). Assistant Professor BROWNE.
74. ENDOCRINOLOGY.—I, (1). Dr. SCHNEIDER.
75. STERILITY AND CONCEPTION.—I and II, (1). Assistant Professor STONE, Dr. KOBAK.

B. GYNECOLOGY

REQUIRED COURSES—THIRD YEAR

30. INTRODUCTION TO GYNECOLOGY.—A few hours are devoted to gynecology and consist of ward walks, pre-operative and post-operative demonstrations. The purpose is to introduce the student to the subjects of gynecology and obstetrics concurrently, thus emphasizing the intimate connection between the two subjects. Cook County and Research and Educational Hospitals. Small groups. One 2-hour period per week. Eight weeks, I and II, (2). Professor FALLS, Assistant Professors LASH and BROWNE, Dr. WOLFF, Dr. REZEK, Dr. BERNELL, and others.

REQUIRED COURSES—FOURTH YEAR

60. LECTURE AND QUIZ.—Conferences supplemented by lectures on special topics such as radium and x-ray therapy, sterility and conception, endocrinology, and malignant tumors of the sexual organs. Continuous through I and II, (1).

Professor FALLS, Assistant Professors STONE, LASH, and BROWNE, Dr. LIFVENDAHL, Dr. WOLFF, Dr. REZEK, Dr. HILL.

61. SEMINAR.—Eight weeks, I and II, (1). Assistant Professor LANG, Dr. BACON, Dr. KAPLAN, Dr. BERNELL.
62. CLINIC.—Operative and demonstration course. Cook County Hospital. One 2-hour period per week. One-half class each semester. I and II, (2). Professor FALLS.
63. DISPENSARY.—Small groups instructed in history-taking and physical examinations; treat minor gynecological complaints under supervision. One 2-hour period daily. Two weeks, I and II, (12). Assistant Professors LANG and STONE, Dr. LIFVENDAHL, Dr. KOBAK, Dr. BLOOMFIELD, Dr. HILL, Dr. SUMMERVILLE, Dr. REZEK, Dr. ÇAREY, Dr. ROOS.
64. CLINIC.—Carcinoma and radium therapy. Research and Educational Hospital. Small groups. Three 3-hour periods for one week. I and II, (9). Dr. HILL.
65. CLINIC.—Venereal disease complicating pregnancy. Research and Educational Hospital. Small groups. Three 3-hour periods for one week. I and II, (9). Dr. KAPLAN, Dr. ROOS.
66. PATHOLOGICAL CONFERENCE AND WARD WALK.—Prenatal and postnatal cases. Research and Educational Hospital. Small groups. One 1-hour conference in Hospital Laboratory, followed by one 1-hour ward walk. I and II, (2). Assistant Professor BROWNE.

ELECTIVE COURSES—FOURTH YEAR

80. PELVIC NEOPLASMS.—II, (1). Dr. LIFVENDAHL.
81. PELVIC INFLAMMATION.—II, (1). Dr. KOBAK.
82. UTERINE HEMORRHAGES.—II, (1). Dr. BERNELL.
83. MENSTRUAL DISORDERS.—I, (1). Dr. REZEK.
84. OPERATIVE GYNECOLOGY.—I and II, (1). Professor FALLS.
85. PRE-OPERATIVE AND POST-OPERATIVE GYNECOLOGICAL TREATMENT.—I, (1). Dr. WOLFF.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN OBSTETRICS AND GYNECOLOGY.—(*1 to 3 units*). Professor FALLS.

OPHTHALMOLOGY

Professors: FINDLAY, WOOD (Emeritus), GAMBLE (Emeritus).
Associate Professors: BEARD.
Assistant Professors: SMITH.
Associates: APPLE, CLARK, HORICK, HALPER.
Instructors: RISER, BROOKS.
Assistants: FOLK.

REQUIRED COURSES—FOURTH YEAR

51. CLINIC AND PRACTICE.—Includes normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts, and study of eye diseases which the general practitioner most frequently encounters. Five 2-hour periods per week. Four weeks, I and II. Associate Professor BEARD, Assistant Professor SMITH, and staff.
52. DIDACTIC OPHTHALMOLOGY.—Illustrated lectures and quizzes. I, (1). Associate Professor BEARD, Assistant Professor SMITH.

SPECIAL COURSES FOR PHYSICIANS

90. CLINICAL COURSE.—Designed for those who wish to take up opthalmology as a specialty. Only one process is studied at a time. Processes taught are: (a) determination of central visual acuity, neutralization of lenses, retinoscopy, refraction (with cycloplegia and without), tonometry, determination of degrees of strabismus or paralysis, types of discs (Elschnig's classification); (b) measurements of disc level, perimetry, objective findings in external and fundus diseases, case-history writing and diagnosis, prognosis, and treatment of a given case as a whole. This course extends over three periods of four months each, and no applicant is accepted for registration for less than the full twelve months. Pathology is taken with undergraduate students. Hours: 9:00 to 12:00 a.m., six days a week. For fees, see page 32.

91. PATHOLOGY OF THE EYE.—Four months. Hours to be arranged. I or II. For fees, see page 32. Associate Professor BEARD.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN OPHTHALMOLOGY.—*(1 to 3 units)*.

ORTHOPAEDICS

Professors: THOMAS (Head of the Department).
Assistant Professors: MURPHY, HARK, LEVINTHAL.
Associates: MARSHALL, LAMBERT.
Instructors: FISCHER, MILLER.
Assistants: GRIMMER, LEIMBACHER,[1] MCCABE, TURNER, NOYES, ROGERS, DUBÉ.[2]

REQUIRED COURSES—THIRD YEAR

10. CLINICAL LECTURE.—Introduction to orthopaedic problems, including diagnosis and treatment of fractures. II, (1). Professor THOMAS.
11. CLINICAL OPERATIVE ORTHOPAEDIC SURGERY.—Eight weeks, I and II, (1). Professor THOMAS, Assistant Professor HARK, Dr. LAMBERT.
12. DISPENSARY.—Includes practical demonstration in physiotherapy, hydrotherapy, and treatment of fractures. Three 2-hour periods per week. Four weeks, I and II, (6). Professor THOMAS and others.
13. PRINCIPLES OF ORTHOPAEDIC SURGERY.—Recitation and quiz. II, (1). Professor THOMAS and others.

ELECTIVE COURSES—THIRD YEAR

30. THEORY AND PRACTICE OF PHYSIOTHERAPY IN ORTHOPAEDICS.—Electrotherapy, hydrotherapy, mechanico-therapy, massage, and muscle re-education. Eight weeks, I and II, (1). Professor THOMAS and others.

REQUIRED COURSES—FOURTH YEAR

50. CLERKSHIP.—Three 3-hour periods. One week, I and II. Illinois Surgical Institute and Cook County Hospital. Professor THOMAS, Assistant Professor LEVINTHAL, Dr. LAMBERT.

ELECTIVE COURSES—FOURTH YEAR

70. SPECIAL TOPICS IN SURGERY OF JOINTS.—Operative management of injuries, infections, and tumors of the extremities and spinal column. I, (1). Professor THOMAS and others.
71. SURGERY OF BONES AND JOINTS.—Cadaver demonstrations of operations for the reconstruction of extremity deformities, malunion and non-united fractures, bone transplants and fusions in Pott's disease and in fractured spines, reconstruction in fractured hips, and operation following infantile paralysis. II, (1). Professor THOMAS and others.

SPECIAL COURSES FOR PHYSICIANS

90. CLINICAL COURSE.—Designed to present and show the importance of examination and systematic development of indications. Includes (a) attendance at clinics and ward rounds; (b) operative orthopaedic surgery on cadavers; (c) assistance at operations; (d) work in pathology, psychiatry, general surgery, physiotherapy, neurology, serology, etc. Hours to be arranged. Registration limited. For fees, see page 32.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN ORTHOPAEDICS.—*(1 to 4 units)*. Professor THOMAS.

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[1] Resignation effective April 1, 1938.

[2] Beginning April 1, 1938.

PATHOLOGY, BACTERIOLOGY, AND PUBLIC HEALTH

Professors: D. J. DAVIS (Head of the Department), PETERSEN, ARNOLD, JAFFÈ.[1]
Associate Professors: PILOT, LEVINSON, NEDZEL, SAPHIR.
Assistant Professors: LADD, HULL, MILLES.
Associates: KRONENBERG, BEACH, MELNICK, KEARNS, LEVINE, MACFATE, MCDANIELS, ROSENTHAL, WEISS, TUCKER, HOWE, KLASSEN, TUTA.[2]
Instructors: KLEIN, RAGINS, STUART, DREYER, GOODMAN, GOWEN, SEIDMON, HIRSCHBERG, MASON, ANGELA, BERG, TROXELL, KRUEGER.[5]
Assistants: DORRELL, MILLIKEN,[3] BLANK, BUCK, DONAHUE, JONES, MUNROE, WHITCOMB.[4]
Cooperating: Dr. MUEHLBERGER.

Following the courses in anatomy and physiology of the first year, the student is prepared to undertake studies on the nature and causation of disease. Pathogenic bacteriology, both general and special, is given the first semester of the second year. Morphology and physiology of micro-organisms are presented and the principles of immunity stressed. General pathology follows in natural sequence in the second semester and during the latter part of this period special pathology and laboratory diagnosis are presented. A continuation course in special pathology with emphasis on autopsies and gross morbid anatomy in the first semester of the third year concludes the formal instruction in this department.

REQUIRED COURSES—SECOND YEAR

1. GENERAL BACTERIOLOGY AND PROTOZOOLOGY.—Lectures, demonstrations, and laboratory. I, (9). Professor ARNOLD, Associate Professor NEDZEL, and others.
2. GENERAL PATHOLOGY AND PATHOLOGICAL HISTOLOGY.—Lectures, recitations, demonstrations, and laboratory. II, (12). Professor PETERSEN, Assistant Professor MILLES, Dr. KEARNS, Dr. LEVINE, and others.
3. CLINICAL PATHOLOGY.—Chemical and microscopical examination of urine, feces, and blood, with emphasis on technic. Lectures, demonstrations, and laboratory. II, (5). Associate Professor LEVINSON, Mr. MACFATE, and others.
4. PREVENTIVE MEDICINE.—General principles of prevention of disease. Epidemiology. II, (2). Professor ARNOLD and others.

REQUIRED COURSES—THIRD YEAR

10. AUTOPSIES.—Routine postmortem examinations, practical work, and demonstrations. One 2-hour period per week. I and II, (2). Associate Professor LEVINSON, Assistant Professor MILLES, and others.
11. SPECIAL PATHOLOGY.—Gross and microscopic examination of pathological material, postmortem bacteriology, and experimental pathology. One 3-hour period per week. II, (3). Associate Professors PILOT and SAPHIR, Assistant Professor MILLES, and others.

REQUIRED COURSES—FOURTH YEAR

50. INDUSTRIAL HYGIENE AND PUBLIC HEALTH.—Industrial and occupational diseases; control and prevention. II, (2). Professor ARNOLD, Dr. BEACH, Dr. KRONENBERG.

ELECTIVE COURSES

(Open only to properly qualified students. Time to be arranged.)

51. ADVANCED WORK AND RESEARCH.—Professors PETERSEN and ARNOLD.
52. INDUSTRIAL HYGIENE.—Professor ARNOLD, Dr. BEACH, Dr. KRONENBERG.
53. ADVANCED WORK IN PUBLIC HEALTH.—Professor ARNOLD.
54. DIAGNOSIS OF TUMORS.—Professor PETERSEN, Associate Professor PILOT, Assistant Professor MILLES, Dr. MELNICK.
55. LEGAL MEDICINE.—Associate Professor LEVINSON, Dr. KEARNS, Dr. MELNICK, Dr. MUEHLBERGER.
56. INTRODUCTORY COURSE IN PUBLIC HEALTH.—General survey of the field of public health practice, including vital statistics, epidemiology, sanitary science, general and specific methods of controlling communicable diseases, and a study of

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[1] Deceased December 17, 1937.
[2] Beginning January 1, 1938.
[3] Resigned December 1, 1937.
[4] Beginning December 1, 1937.
[5] Beginning March 15, 1938.

public health practice, duties, requirements, and functions of medical public health officers. (32 lectures). Elective for third-year and fourth-year students. II. Professor ARNOLD.

COURSES FOR GRADUATE STUDENTS

101. ADVANCED PATHOGENESIS.—Pathology and bacteriology. (*1 to 3 units*). Professors DAVIS, PETERSEN, ARNOLD, and JAFFÈ, Associate Professor PILOT.
103. INDIVIDUAL RESEARCH.—(*1 to 4 units*). Professors DAVIS, PETERSEN, ARNOLD, and JAFFÈ, Associate Professor PILOT.

PEDIATRICS

Professors: HESS (Head of the Department), EARLE (Emeritus), IRISH, BLATT.
Associate Professors: PONCHER.
Assistant Professors: BOWER, CALVIN, ROSENBLUM, BRONSTEIN.
Associates: GOLDBERGER, CHAMBERLAIN, ROBINS, SALTIEL, GASUL, HOFFMAN, LEICHENGER, WEINFELD.
Instructors: LEVIN, PAUKER, HALPERN, SULDANE, PADNOS, TIGAY, KLEIN, LEVINSON, SCHNEIDER, ABELSON, BARATZ, JACOBS, REALS, SPAETH.
Assistants: WADE, BAXTER, RICHTER.
Cooperating: Professor SCHROEDER.

REQUIRED COURSES—THIRD YEAR

10. NUTRITION AND NUTRITIONAL DISTURBANCES IN INFANCY AND CHILDHOOD.—Lectures and clinical conferences. I, (1). Professor HESS, Associate Professor PONCHER.
11. DISEASES IN INFANCY AND CHILDHOOD.—Group lecture and quiz. II, (1). Professor IRISH and others.
12. CLINICAL DEMONSTRATION OF NUTRITION AND NUTRITIONAL DISTURBANCES IN INFANCY AND CHILDHOOD.—Cook County Hospital. Eight weeks. I and II, (1). Dr. GASUL.
14. CLINICAL DEMONSTRATION OF DISEASES IN INFANCY AND CHILDHOOD.—Cook County Hospital. Eight weeks. I and II, (1). Dr. HOFFMAN.
15. LECTURES AND CLINICAL DEMONSTRATION OF CONTAGIOUS DISEASES.—Cook County Hospital. Four weeks. I and II, (2). Assistant Professor BOWER, Dr. LEICHENGER, Dr. LEVIN.
16. CLERKSHIP.—Supervised case study of patients in the pediatric ward of the Research and Educational Hospital. Small groups. Six 3-hour periods. I and II. Associate Professor PONCHER.

REQUIRED COURSES—FOURTH YEAR

50. SUPERVISED CASE STUDY AND CONFERENCE ON DISPENSARY PATIENTS IN PEDIATRIC DISPENSARY.—Research and Educational Hospital. Six 2-hour periods per week. Two weeks, I and II. Members of the dispensary staff.
51. CLINICAL DEMONSTRATION OF DISEASES OF CHILDHOOD.—Cook County Hospital. One 2-hour period per week. I and II. Professor HESS.
52. CLINIC.—Physical diagnosis and clinical demonstration of diseases of infancy. Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Professor IRISH.
53. CLINIC.—Demonstration of diseases of the heart and lungs in infancy and childhood. Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Professor BLATT.
54. CLERKSHIP.—Group demonstration and discussion every morning and afternoon for one week. Municipal Contagious Hospital. Dr. SPAETH and members of the Municipal Contagious Hospital staff.

ELECTIVE COURSES—THIRD AND FOURTH YEARS

70. TUBERCULOSIS.—Sixteen weeks, I and II, (1). Dr. GASUL.
71. DISEASES OF THE BLOOD-FORMING ORGANS IN INFANCY AND CHILDHOOD.—Eight weeks, I and II, (2). Associate Professor PONCHER.

72. MENTAL HYGIENE IN INFANCY AND CHILDHOOD.—Eight weeks, I and II, (1). Professor SCHROEDER.
73. ENDOCRINOLOGY IN INFANCY AND CHILDHOOD.—Sixteen weeks, I and II, (1). Assistant Professor BRONSTEIN.
74. PRINCIPLES OF PEDIATRICS.—Review course. Sixteen weeks, I and II, (1). Dr. KLEIN.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN PEDIATRICS.—(*1 to 3 units*). Professor HESS, Associate Professor PONCHER.

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Professors: McGUIGAN (Head of the Department), FANTUS, CAMP.
Assistant Professors: EWING.
Lecturers: MUEHLBERGER.
Instructors: HIGGINS, DYNIEWICZ.
Assistants: GANT, TANNER.

REQUIRED COURSES—SECOND YEAR

1. PHARMACOLOGY.—Lectures and laboratory. I, (8). *Prerequisite:* Physiology course 1, or equivalent; Physiological Chemistry courses 1 and 2, or equivalent. Professors McGUIGAN and CAMP, and others.
2. PHARMACOLOGY.—Lectures, quizzes, and laboratory. II, (5). Professors McGUIGAN and CAMP, and others.

REQUIRED COURSES—THIRD YEAR

15. THERAPEUTICS.—I, (2). Professors FANTUS and McGUIGAN, Miss DYNIEWICZ.

ELECTIVE COURSES

(Minimum registration: 5 students for each course. Time to be arranged.)

30. HISTORY OF PHARMACOLOGY AND TOXICOLOGY.—Review of modern books. Professors McGUIGAN and CAMP.
31. MATERIA MEDICA.—Prescription writing. Professors McGUIGAN and CAMP.
32. TOXICOLOGY.—Professors McGUIGAN and CAMP.
33. SYSTEMIC PHARMACOLOGY.—(a) eye, (b) digestive systems, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart, and kidneys. Professors McGUIGAN and CAMP.
34. FUNDAMENTAL PRINCIPLES OF THERAPY.—Professor FANTUS.
35. CORRELATION OF PHARMACOLOGY AND THERAPEUTICS.—Professors McGUIGAN and CAMP.
36. SEMINAR.—Open to selected students. Members of the staff.

COURSES FOR GRADUATE STUDENTS

101. ADVANCED PHARMACODYNAMICS.—(*1 to 3 units*). Professors McGUIGAN and CAMP.
103. RESEARCH IN PHARMACODYNAMICS.—(*1 to 3 units*). Professors McGUIGAN and CAMP.

PHYSIOLOGICAL CHEMISTRY

Professors: WELKER (Head of the Department).
Associate Professors: BERGEIM.
Assistant Professors: COLE.[1]
Associates: JOHNSON.
Instructors: STEPHAN.
Assistants: BRIGGS, HARVEY.
Cooperating: Professor KEETON.

REQUIRED COURSES—FIRST YEAR

1. PHYSICAL AND CHEMICAL PROPERTIES OF SOLUTIONS.—Chemistry of carbohydrates, lipides, and proteins; enzymes and digestion. Lectures, demonstrations, conferences, and laboratory. I, (4). Professor WELKER and others.

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[1] On leave of absence for six months beginning September 24, 1937.

2. CHEMISTRY OF BILE, BLOOD, MILK, AND TISSUES.—Metabolism; chemistry of urine (qualitative and quantitative). Lectures, demonstrations, conferences, and laboratory. II, (4). Professor WELKER and other members of the staff. (*Note:* Approximately eight hours of the lectures will be delivered by Professor KEETON, of the Department of Medicine, to correlate the work in Physiological Chemistry with Medicine.)

ELECTIVE COURSES

(Open to qualified students. Time to be arranged.)

60. SPECIAL TOPICS IN BIOCHEMISTRY.—Blood analysis; vitamin studies; methods and clinical significance. I or II. Associate Professor BERGEIM.

61. PHYSICAL AND COLLOID CHEMISTRY.—Elements of physical and colloid chemistry and their application to biology and medicine, with emphasis on the chemistry of proteins. I or II. Assistant Professor COLE.

62. PROTEINS.—Methods of preparation of pure proteins and study of their immunological and chemical properties. I or II. Professor WELKER.

BIOCHEMICAL SEMINAR.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

RESEARCH.—The laboratories are open to persons with the requisite training for the conduct of original investigations under direction of members of the staff.

COURSES FOR GRADUATE STUDENTS

101. ADVANCED BIOLOGICAL CHEMISTRY.—Biochemical methods of research, biological colloids, enzyme action, and metabolism. (*1 or 2 units*). Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.

102. METALLURGICAL RESEARCH.—(*1 or 2 units*). Professor WELKER.

103. BIOCHEMICAL RESEARCH.—(*1 or 2 units*). Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.

PHYSIOLOGY

Professors: WAKERLIN (Head of the Department), BACHEM, GELLHORN.
Associate Professors: REED.
Associates: DARROW.
Instructors: INGRAHAM, STRUCK, STECK, MINARD.[1]
Assistants: KLEIN, YESINICK.
Cooperating: Professors SINGER and HARTUNG, Dr. SZUREK, Dr. WACHOWSKI.

REQUIRED COURSES—FIRST YEAR

1. HUMAN PHYSIOLOGY.—General physiology, physiology of blood circulation and respiration. Lectures, quiz-conferences, demonstrations and laboratory, with clinical demonstrations and correlations by members of the clinical departments. II, (7). Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED, and others.

REQUIRED COURSES—SECOND YEAR

2. HUMAN PHYSIOLOGY.—Continuation of course 1. Physiology of muscle, nerve, digestion, metabolism, endocrines, and excretion; physiology of the nervous system and of the senses. I, (11). Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED, and others.

3. HUMAN PHYSIOLOGY.—Conclusion of courses 1 and 2. Physiological bases of personality. II, (1). Professors SINGER and GELLHORN, Dr. SZUREK.

ELECTIVE COURSES

(Open only to qualified students. Time to be arranged.)

51. SPECIAL ADVANCED PHYSIOLOGY.—This course is designed to meet the needs of students desiring advanced, detailed knowledge of a limited field, and in each semester different fields are selected and announced in advance. Subjects covered are: Blood, heart, muscle, gastro-intestinal tract, endocrinology, general metabolism and nutrition, growth, and neurophysiology. Professors WAKERLIN and GELLHORN, Associate Professor REED.

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[1] Beginning March 1, 1938.

55. PROBLEMS IN PHYSIOLOGY.—Professors BACHEM and GELLHORN, Associate Professor REED.
72. PHYSICS, BIOLOGY, AND THERAPY OF RADIANT ENERGY.—Short waves, infra-red, ultra-violet, high frequency, roentgen rays and radium. II, (1). Professor BACHEM, Dr. WACHOWSKI. (Same as Course 72 under Roentgenology.)

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN PHYSIOLOGY.—(*1 to 3 units*). Professors WAKERLIN and GELLHORN, Associate Professor REED.
102. RESEARCH IN BIOPHYSICS.—(*1 to 3 units*). Professor BACHEM.
103. SEMINAR IN SELECTED FIELDS.—(*1 unit*). Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED.
104. CURRENT LITERATURE SEMINAR.—(½ *unit*). Required of all graduate students in physiology. Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED.

PSYCHIATRY

Professors: SINGER (Head of the Department), METTLER (Emeritus), DAVIS[3] (Emeritus).
Assistant Professors: LOW, SOLOMON.
Associates: KRAINES,[1] BOSSELMAN, SHERMAN, RHEINGOLD, SZUREK.
Lecturers: ZIEGLER.
Instructors: KUHNS, BRODER, PASKIND.
Assistants: BONNELL, SKORODIN, SONENTHAL, KAPLAN, BLAUROCK, ROSS.[2]
Cooperating: Professors SCHROEDER and GELLHORN, Assistant Professors OLKON and DIAMOND.

The instruction aims to establish an objective view of human behavior under conditions of health and illness, founded on biologic principles. There is therefore close coordination with instruction in physiology. During the first two years, instruction is given in the biologic principles of behavior, chiefly didactic and required reading, but illustrated with case material. In the third year, pathologic modifications of behavior are studied by lecture methods and in connection with clerkships on the medical wards. In the fourth year, opportunities are provided for the study of patients with various forms of mental illness in the dispensary and in the psychiatric wards, together with special case discussions in the fields of the psychoneuroses and psychoses.

REQUIRED COURSES—FIRST YEAR

1. HUMAN BIOLOGY AND THE RELATIONS BETWEEN THE ORGANISM AND ITS ENVIRONMENT.—II, (1). Given as part of Physiology Course 1. Professor GELLHORN.

REQUIRED COURSES—SECOND YEAR

5. HUMAN BIOLOGY AND PERSONALITY.—II, (1). Given in cooperation with the Department of Physiology and the Department of Criminology, Social Hygiene, and Medical Jurisprudence. Professor SINGER and others.

REQUIRED COURSES—THIRD YEAR

10. PATHOLOGY AND PREVENTION OF MENTAL DEFICIENCY, MENTAL DISEASE, AND DELINQUENCY.—II, (2). Professors SINGER and SCHROEDER, and others.
12. CLERKSHIP.—Clinical instruction in mental examination of patients on medical wards. Instruction given during clerkship on medical wards. I and II. Dr. SZUREK, Dr. BOSSELMAN.

REQUIRED COURSES—FOURTH YEAR

51. DISPENSARY.—Psychiatric cases referred by other departments. Five 2-hour periods per week for two weeks.
52. PSYCHIATRY.—Examination of patients in wards of Psychiatric Institute and discussion of cases with small groups. I and II, (1½). Professor SINGER and others.

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[1] On leave of absence for seven months beginning September 1, 1937.
[2] Beginning March 15, 1938. [3] Deceased April 1, 1938.

53. CLINIC.—Psychoneuroses with examination of patients and discussion of cases; methods of diagnosis and therapy. One 2-hour period per week for eight weeks. I and II. Assistant Professor LOW.
54. CLERKSHIP.—Wards of Psychiatric Institute. Small groups. Four hours a day for one week. I and II. Assistant Professor LOW and others.

ELECTIVE COURSES—FOURTH YEAR

71. CLINICAL PSYCHIATRY.—Eight weeks. II, (1). *Prerequisite:* Course 52. Practical demonstrations in the evaluation of symptoms. Assistant Professor LOW.

SPECIAL COURSES FOR PHYSICIANS

90. CLINICAL COURSE.—Designed to present methods of examination and indications for treatment. Includes attendance at clinics and ward rounds, work in anatomy, physiology, pathology, serology, etc. Hours to be arranged. Registration limited. For fees, see page 32.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN PSYCHIATRY.—(*1 to 3 units*). Professor SINGER.

ROENTGENOLOGY

Professors: HARTUNG.
Associates: WACHOWSKI.
Instructors: RICHMAN, LEDOUX.

The diagnostic and therapeutic possibilities of roentgen rays in the entire field of medicine, as well as their effects on tissues, are presented by means of lectures, fluoroscopic observations, and film and slide demonstrations.

REQUIRED COURSES—FOURTH YEAR

50. ROENTGENOLOGY.—Application of roentgen rays to medicine and surgery. Lectures and demonstrations. I, (2). Professor HARTUNG.
51. DISPENSARY.—Technic, interpretation, and therapy. Six 2-hour periods. Two weeks, I and II. Professor HARTUNG, Dr. WACHOWSKI, Dr. RICHMAN, Dr. LEDOUX.

ELECTIVE COURSES—FOURTH YEAR

70. INTERPRETATION OF ROENTGEN FILMS OF THE SKELETAL STRUCTURES.—I, (1). Professor HARTUNG.
71. INTERPRETATION OF ROENTGEN FILMS OF THE INTRA-CRANIAL, INTRA-THORACIC, AND INTRA-ABDOMINAL STRUCTURES.—II, (1). Professor HARTUNG.
72. PHYSICS, BIOLOGY, AND THERAPY OF RADIANT ENERGY.—Short waves, infra-red, ultra-violet, high frequency, roentgen rays and radium. II, (1) Professor BACHEM, Dr. WACHOWSKI. (Same as Course 72 under Physiology.)

SPECIAL COURSES FOR PHYSICIANS

90. CLINICAL COURSE.—Designed for those desiring to take up roentgenology as a specialty. Includes theoretical and practical teaching of the use of roentgen rays and radium for diagnosis and treatment. Offers opportunity to observe the technic of all standard roentgen examinations. Instruction given in interpreting findings on films and fluoroscopic screen and in the application of radiation to superficial and deep lesions. Extends over two periods of four months each. Registration limited. Hours: 8:30 to 12:00 a.m. and 2:00 to 5:00 p.m. For fees, see page 32.

SURGERY

Professor COLE (Head of the Department)

A. GENERAL SURGERY

Professors: HARSHA (Emeritus), C. DAVISON (Emeritus), HUMISTON (Emeritus), L. SCHULTZ (Emeritus), PERCY, DYAS, PHIFER, DE TARNOWSKY.

Associate Professors: POST, NADEAU, BAMBERGER, KOUCKY, MCARTHUR, MALCOLM, SEED, DE TAKATS, PUESTOW, VAN HAZEL.
Assistant Professors: JIRKA, KORDENAT, MORA, SARMA, LYON, HAZLETT, SPIVACK, ODEN, PORTIS, L. W. SCHULTZ, MEYER.
Associates: STEPHENS, JOANNIDES, ZECHEL, SCUDERI, CROUTCH, STEIN, WERNICKE, GREEN, ALMQUIST, BECK, MCMILLAN, PONTIUS.
Instructors: MISHKIN, R. M. DAVISON, BAKER, BROWN, HALEVY, FLANNERY, GOODMAN, WAGNER, JAFFRAY, CLOWES, LOTSPIECH, GREELEY, KIEFER, PICK.
Assistants: PARKER, MARQUARDT, REYNOLDS, SAHLSTROM, STROHL, MATTHIES, THOREK, IRENEUS, ROBERG,[1] SLAUGHTER, DAY,[2] DIFFENBAUGH, FOWLER,[3] HOLM,[3] HOLUB,[3] ROTH,[3] JESSER.[4]

Class work in surgery is begun in the second semester of the second year, and consists of an informal introductory and quiz course covering such problems as surgical bacteriology, infections, and wounds. Work of the third year includes a formal didactic course and a clerkship in Cook County Hospital; eight weeks in the dispensary, taking histories and examining patients whose cases are discussed with the student by the staff men, and in several clinics which attempt to acquaint the student with clinical material. In the fourth year still more attempt is made to have the student take care of patients and get acquainted with various methods of surgical care. A four-week ward clerkship at Illinois Research Hospital is designed to present the clinical material in this way. During the fourth year the student is allowed considerable liberty in outlining his own study, and is encouraged to refer to current literature and textbooks about the clinical material as it is presented in the various clinics and clerkships.

REQUIRED COURSES—SECOND YEAR

1. INTRODUCTION TO SURGERY.—Asepsis, surgical bacteriology, infections, surgical methods, wounds, shock, hemorrhage, surgery of blood vessels and lymphatics. II, (1). Dr. STEIN, Dr. JOANNIDES, Dr. ZECHEL, Dr. STROHL.

REQUIRED COURSES—THIRD YEAR

10. FUNDAMENTAL PRINCIPLES OF SURGERY.—Recitation course. Continuous through I and II, (2). Professor PHIFER, Associate Professors POST and BAMBERGER, Assistant Professor KORDENAT.
11. SURGICAL PATHOLOGY.—One 1-hour period. II. Associate Professor MALCOLM.
12. SURGICAL DIAGNOSIS.—Research and Educational Hospital. I and II, (1). Professor COLE, Assistant Professor MEYER.
13. GENERAL SURGICAL OPERATIVE CLINIC.—Research and Educational Hospital. One 2-hour period per week. Eight weeks, I and II. Associate Professor MALCOLM.
14. GENERAL SURGICAL OPERATIVE CLINIC.—Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor JIRKA.
15. GENERAL SURGICAL CLINIC.—St. Luke's Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor HAZLETT.
16. SURGICAL DISPENSARY.—History-taking, diagnosis, minor surgery, and surgical dressings. Research and Educational Hospital. Three 2-hour periods per week. Eight weeks, I and II. Associate Professors MALCOLM, DE TAKATS, and VAN HAZEL, Assistant Professors MORA and SARMA, and others.
73. SURGICAL CLERKSHIP.—History taking and methods of examination. Cook County Hospital. Six 3-hour periods per week. Two weeks. I and II. Dr. SCUDERI and others.

ELECTIVE COURSES—THIRD YEAR

30. SURGICAL DIAGNOSIS.—I, (1). Assistant Professor ODEN.
31. REGIONAL SURGICAL ANATOMY.—I, (1). Dr. ZECHEL.
32. BLOOD TRANSFUSION, SURGICAL DRESSINGS, AND BANDAGING.—Individual instruction and demonstration. I, (1). Assistant Professor KORDENAT.
33. SURGICAL REVIEW.—II, (2). Assistant Professor MORA, Dr. PARKER.

REQUIRED COURSES—FOURTH YEAR

50. SURGICAL DIAGNOSIS.—Research and Educational Hospital. Continuous through I and II, (1). Professors COLE and DE TARNOWSKY.

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[1] Resigned January 1, 1938.
[2] Resigned February 1, 1938.
[3] Beginning January 1, 1938.
[4] Beginning March 15, 1938.

52. GENERAL SURGICAL OPERATIVE CLINIC.—Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor PORTIS.
53. GENERAL SURGICAL OPERATIVE CLINIC.—Augustana Hospital. One 2-hour period per week. Four weeks, I and II. Professor PERCY.
54. GENERAL SURGICAL OPERATIVE CLINIC.—Cook County Hospital. One 2-hour period per week. Four weeks, I and II. Associate Professor KOUCKY.
55. INDUSTRIAL SURGERY.—St. Luke's Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor LYON.
56. THORACIC SURGERY.—Research and Educational Hospital. One 1-hour period. II. Associate Professor VAN HAZEL.
57. SURGICAL CLERKSHIP.—Research and Educational Hospital. Four weeks, 4 hours per day. Students are assigned patients and are responsible for the history and laboratory work. Includes general, oral, neuro-circulatory, and genito-urinary surgery, as well as practical experience in giving anaesthetics. I and II. Professors COLE and MCKENNA, Associate Professors DE TAKATS and PUESTOW, Assistant Professor SCHULTZ.
60. MINOR SURGERY.—One 2-hour period per week. Four weeks, I and II. Assistant Professor MORA, Dr. CROUTCH.
61. SURGICAL PATHOLOGY.—Laboratory. One 2-hour period per week. Eight weeks, I and II. Associate Professor NADEAU.

ELECTIVE COURSES—FOURTH YEAR

70. RESEARCH ON ASSIGNED PROBLEMS.—Professor COLE and others.
72. PRACTICE OF SURGERY.—I, (1). Associate Professor MALCOLM.
74. OPERATIVE SURGERY ON ANIMALS.—One 2-hour period per week. II. Assistant Professor SPIVACK.
75. SURGICAL TECHNIC.—II, (1). Associate Professor PUESTOW.
76. SURGERY OF THE NECK.—II, (1). Associate Professor SEED.
77. SURGERY OF THE THORAX.—I, (1). Associate Professor VAN HAZEL.
79. RECTAL SURGERY.—II, (1). Dr. PONTIUS, Dr. MCMILLAN.
80. SURGERY OF THE SYMPATHETIC NERVOUS SYSTEM.—II, (1). Associate Professor DE TAKATS.
82. TRAUMATIC SURGERY.—I and II, (2). Dr. SCUDERI.
83. EMERGENCY SURGERY.—I, (1). Professor DE TARNOWSKY.
84. SURGICAL REVIEW.—I, (2). Assistant Professor MORA, Dr. PARKER.
85. WARD ROUNDS EMERGENCY SURGERY.—Cook County Hospital (1). (Limited to 15 students). I and II. Dr. PORTIS, Dr. ROTH.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN SURGERY.—(*1 to 3 units*). Professor COLE, Associate Professors HERROLD, DE TAKATS, and PUESTOW.

B. UROLOGY

Professors: MCKENNA.
Associate Professors: O'CONOR, HERROLD.
Associates: RITCH, GERNON.
Instructors: PLATIN, SCHACHT.
Assistants: CAMBRIDGE, DRABANSKI, SORENSEN, DYKHUIZEN.

REQUIRED COURSES—THIRD YEAR

10. FUNDAMENTALS OF UROLOGY.—Conferences and recitations. I, (1). Professor MCKENNA, Associate Professors O'CONOR and HERROLD, Dr. GERNON, Dr. SCHACHT, Dr. KIEFER.

ELECTIVE COURSES—THIRD YEAR

30. UROLOGY.—Limited to 30 students. I, (1). Professor MCKENNA, Dr. DRABANSKI.

REQUIRED COURSES—FOURTH YEAR

11. DISPENSARY.—History-taking, diagnosis, and treatment. Research and Educational Hospital. Three 2-hour periods. Four weeks, I and II. Professor MCKENNA, Associate Professor HERROLD, Dr. KIEFER, and others.
50. CLINIC.—Research and Educational Hospital. One 2-hour period. Four weeks, I and II. Professor MCKENNA.

Elective Courses—Fourth Year

70. Surgery of the Genito-Urinary Tract.—I and II, (1). Professor McKenna, Associate Professors O'Conor and Herrold, Dr. Kiefer.

C. ANAESTHESIA

Dr. Brunner,[1] Associate

Required Courses—Third Year

10. Anaesthesia.—One-half of class, eight weeks. II. Dr. Brunner and others.

Required Courses—Fourth Year

57. Clerkship.—Given as a part of Surgery 57 (Surgical Clerkship). Under supervision, the student gives the anaesthetic on the patients assigned to him on the ward. I and II. Dr. Brunner and others.

COLLEGE ORGANIZATIONS

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE

President—Frank Kotalik, '13, 6348 W. 26th St., Berwyn.
President-Elect—William A. Plice, '02, 4010 W. Madison St., Chicago.
First Vice-President—John M. Lang, '00, 4754 W. Washington Blvd., Chicago.
Second Vice-President—L. Rock Sleyster, '02, 25 E. Washington St., Chicago.
Secretary-Treasurer—M. H. Streicher, '24, 307 N. Michigan Ave., Chicago.
Necrologist—Felix Renberg, '05, 1531 E. 68th St., Chicago.
Alumni Councillors—
Frank C. Linden, '89, 1913 S. Halsted St., Chicago.
M. Hubeny, '09, 25 E. Washington St., Chicago.
Isadore Pilot, '17, 185 N. Wabash Ave., Chicago.
Frank L. Stone, '10, 30 N. Michigan Ave., Chicago.
Clara Gottschalk, '15, 5217 N. Magnolia Ave., Chicago.
A. M. Harvey, '93, 345 N. Spring Ave., LaGrange.
C. C. Clement, '06, 30 N. Michigan Ave., Chicago.
W. H. Browne, '21, 2051 N. Sedgwick St., Chicago.
M. R. Weidner, Jr., '33, 417 Lincoln Ave., Dolton.
Adolph Hartung, '08, 738 Junior Terrace, Chicago.
Ralph Kordenat, '21, 3959 N. Lincoln Ave., Chicago.
Albert VanderKloot, '15, 5 S. Wabash Ave., Chicago.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in fifty-six "Class A" medical schools, was founded at the College of Medicine of the University of Illinois in 1902. Third-year and fourth-year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

Group I.—Class of 1938

Bernard Isadore Coopersmith
Edward Howard Lambert
Benjamin Samuel Meyer
Stanley William Olson
Charles Henry Stubenrauch

Group II.—Class of 1938

Harry E. Barnett
Jack E. Brooks
Isadore Friedman
Ralph Gradman
Marvin Grubman
Robert Joseph Jensik
Louis Sanford Lapid
Maurice David Pearlman
William Henry Requarth
Oscar Rushakoff
Fannie Finkelstein Skalnik
Albert Frederick Roy Swatek
George Frederick von Asch

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[1] On leave of absence from November 6, 1937, to June 15, 1938.

Group I.—Class of 1939

SHELDON EDWARD DOMM	ROBERT RICE SNIVELY
CARL ROBERT NEWMAN	IRVING HERMAN ZITMAN
EDWARD BERNARD PLATTNER	

PI KAPPA EPSILON

Pi Kappa Epsilon is a national honorary medical fraternity to which members are elected on the basis of character, personality, and professional qualities.

Faculty Adviser.—Dr. HUGO O. DEUSS.

Faculty Member Elected in 1938.—Dr. MILTON J. SUMMERVILLE.

Class of 1940

JOHN ALLEN KEYS	JAMES WILLIAM MARSHALL
EARL HILMER KOEPKE	THEODORE ZANE POLICANDRIOTES
ELWOOD FRANKLIN KORTEMEIER	JUSTUS EARL TAYLOR, JR.

SIGMA XI

In the spring of 1928 the Society of Sigma Xi granted a charter for the organization of a chapter of this society at the College of Medicine of the University of Illinois. The society has for its object the promotion of research.

Officers for 1937-38.—Dr. ROBERT W. KEETON, President; Dr. GERHARDT VON BONIN, Vice-President; Dr. WILLIAM H. WELKER, Secretary; Dr. ISADORE PILOT, Treasurer; Dr. HUGH A. MCGUIGAN, Dr. D. J. DAVIS, and Dr. WARREN H. COLE, Elective Members of the Executive Committee.

Elected to Active Membership (May 13, 1937).—Dr. WILLIAM C. BECK, Dr. JOSEPH GREENGARD, Dr. LUDWIG PINCUSSEN, Dr. CARLO S. SCUDERI, Dr. GEORGIANA DVORAK-THEOBALD, and Dr. HELEN W. WADE.

Promotion from Associate to Active Membership.—Dr. ALLAN G. BRODIE, Dr. C. VIRGINIA FISHER, Mr. LEON F. MOLDAVSKY, Dr. IRVING E. STECK, and Dr. EDWARD C. WACH.

Elected to Associate Membership (May 13, 1937).—ADOLPH J. BARTOLI, NATHANIEL GLICKMAN, EDWARD LAMBERT, HERBERT S. LAKIN, HERMAN C. MASON, SAMUEL LIEBMAN, JEROME S. MEHLMAN, Dr. HAROLD J. NOYES, and ROY K. SNYDER.

At the Annual Meeting, held May 13, 1937, Dr. C. L. METCALF, Professor of Entomology and Head of the Department, University of Illinois, delivered the scientific address on "The Morbific Triangle."

The Annual Sigma Xi Prize of $25.00 for the best piece of scientific investigation on the part of any student in the College of Medicine, the College of Dentistry, or the Graduate School, who is without a salaried appointment from the Board of Trustees, was awarded to MURRAY M. HOFFMAN for his work on "The Rate of Apposition and Growth Gradients in the Dentin of the Lower First Molar of the Albino Rat as Demonstrated by the Injection Effects of Alizarin Red S."

PAPERS READ BEFORE THE SOCIETY, 1936-37

"Ovarian Tumors," Dr. WALTER SCHILLER, Pathologist of the Second Frauenklinik, University of Vienna.

"An Explanation of Duodenal Activity," Dr. W. J. R. CAMP.

"Relation of Available Water to Blood Volume in Various Clinical Conditions," Dr. SAMUEL LIEBMAN and Dr. M. H. STREICHER.

"The Integrative Action of the Organism Exemplified by Studies on Anoxemia," Dr. ERNST GELLHORN.

"Methods of Studying the Constitutional Changes Associated with Allergy," Dr. MILTON B. COHEN, Director of the Cleveland Asthma and Hay Fever Clinic.

PHI MU PHI

(Physicians-Music-Fellowship)

Phi Mu Phi of the College of Medicine of the University of Illinois is composed of students who have served two years in one of the musical organizations. These include Men's Glee Club, Women's Glee Club, Concert Orchestra, and Dance Orchestra. Voice try-outs are held at the beginning of the fall season for those desiring to enter either of the Glee Clubs. Those with sufficient experience and training in instrumental music are admitted to the orchestras.

Officers of Phi Mu Phi.—Edmund A. Flexman, President; Willard Z. Kerman, Vice-President; Alfred B. Falk, Treasurer; Harold X. Gerber, Secretary; Dr. William H. Welker, Faculty Adviser.

STUDENT COUNCIL

The Student Council, composed of the president and three elected councilmen from each class, and the editor of the student paper, meets semi-monthly with the aim of discussing and solving problems of interest to the student body.

Fourth-Year

John Wesley Sheagren, President
John August Bowman, Jr.
Willard Z. Kerman
Roy Cyril Weinstein
Scottie Jackson Wilson
Kenneth John Winters

Third-Year

Soddie James Barkett
Joseph Harry Buckley
Robert Birger Engstrom
Lawrence Arnold Levitin
Julius Benjamin Richmond

Second-Year

William Howard Blackburn, Jr., Vice-President
Ernst August Griep, Secretary-Treasurer
John Robert Erwin
Montie Magree
Lowell E. Massie

First-Year

Leslie Mathew Bodnar
James Thomas Cunningham
Allen Herbert Long
Paul Raleigh Patterson

Illini Scope

Willard Z. Kerman, Editor

DEGREES CONFERRED, 1937

Degree of Bachelor of Science in Medicine

Conferred in February, 1937

Morris Abrams
Duncan Biddlecombe
Horace Pearse Christian
Robert Fuller Dearborn
Frederick LeRoy Eagleston, Jr.
Irwin Earle Gaynon
Walter Curtis Kinser
Max Edward Klein
Jack Levin
Harry DeWitt Nesmith
Clifford H. Peters

Conferred in June, 1937

Morris Aran Adland
Donald William Anderson
Stanley Edward Anderson
G. William Arends
Willis Hugh Atkinson
Soddie James Barkett
Adolph Bartoli, Jr.
Leonard Albert Becker
Robert Archie Beebe
Paul Binder
Jack James Bocian
Emmert George Boeke
George Joseph Brebis, with Honors
William John Brown
Alexander Maurice Buchholz
Joseph Harry Buckley
George Joseph Cooper
Thomas Stewart Cumming
Emil Stephan Danishek
Albert Harold Diamondstone
Ralph Marvin Dorne
Maurice Joseph Drell
Jack Walter Dworin, with Honors
Louis Ehrlich
Norman James Ehrlich, with Honors
Harold Martin Engle, with Honors
Peter Thomas Esposito
Emanuel Bass Fagman
Lawrence Edmund Foster
Kieffer Evans Frantz
Wendell Rayburn Freeman
Leon Philip Gardner

HAROLD XEN GERBER
SAMUEL BERNARD GOODSON
HYMAN HARRY GORDON
DONN ROBERTS GOSSOM
ALAN D. GREEN
HAROLD ANTHONY GRIMM
EDWARD STANLEY GROSSMAN
NORTON ROBERT GROTH
FLORENCE EUNICE HART
ROBERT DEAN HART
FRED ALBERT HEIMSTRA
FRANCIS JOSEPH HREJSA
GROVER DONALD ICENOGLE, with Honors
JOHN BAPTIST IORIATTI
HAROLD HERMAN JOFFE
ALDONA ANN JUSKA
RICHARD ERNEST KINZER
LOUIS KLEIN
SIDNEY KLEIN, Ph.G.
SIDNEY KLIGERMAN
SYDNEY MAURICE KOLODNY
RAYMOND FRANK KONDZIORSKI
PAUL KOTIN
CHARLES RUDOLPH KUDOLLA
EDWARD WICKLIFFE KUNCKEL
JOSEPH FRANCIS KUZMA
MORRIS LANG
ISADORE LERNER
PHILIP LERNER
SYDNEY ALEXANDER LERNER
LAWRENCE ARNOLD LEVITIN
GABE CELSOR LONG
HOWARD ARTHUR LOWY
LAWRENCE STANLEY MANN
JOHN STEPHEN MARTIN, Ph.G., with Honors
JOHN ANTHONY MIRRO
CHAUNCEY LEE MORTON
DOROTHY JEAN NIEDERMAN, with Honors
BENJAMIN FRANCIS NOVACK
AMIEL LEWIS PALERMO
EDWARD BERNARD PLATTNER, with High Honors
IRVING MAYNARD REINGOLD
GORDON LARAWAY RICHARDS
JULIUS BENJAMIN RICHMOND
ALBERT R. ROSANOVA
FRANCIS JOSEPH SAZAMA
MILO HILL SCHOSSER
ADRIAN LEONARD SCHREIBER
MANUEL SCHREIBER
EDWARD EMIL SCHUMACHER
WILLIAM THURMAN SHAFFER
MAYNARD IRWIN SHAPIRO
BENJAMIN FRANKLIN SHIRER, JR.
ALBERT JOSEPH SIMON, with Honors
MELVIN SIMONSON
LEO SMOLLAR
EUGENE SPIERER
CHARLES FREDERICK STAHL
BERNARD STRASSMAN
ALBERT SUMNER
EVERT ANDERS SWENSSON
RALPH STRONG TURNER
GLEN HALL WALKER
PHILIP THOMAS WEISBACH, JR.
HENRY SOL WEISKOPF
ALVIN WEISS
LADDIE WALTER ZEMAN
WILLIAM JOSEPH ZIMRING
IRVING HERMAN ZITMAN, with High Honors

Conferred in October, 1937

JACK MARK BAILIS
RAYMOND EMANUEL BENSON
THEODORE WALLINGFORD BROWN
STEPHEN MATTHEW CHASTEN
ARNOLD MELVIN COHN
DAVID THOMAS CURTIS
JAMES CONE FASH
COYE CARLTON MASON
DELBERT WESLEY MCKINNEY
WESLEY EUGENE PELTZER
ANTONIE SHIRLEY PETKUS
ROBERT DIXON ROANE
WILLIAM ELLES RUSSELL
HERMAN C. SPRECHER
GEORGE EDWARD TWENTE
ROGER ALAN VAN ATTA
ANITA VARRAVETO
EVELYN WITTHOFF

Certificate in Medicine

Presented in June, 1937

MORRIS ABRAMS, B.S.
J. JOSEPH ALION, B.S.
ALBERT HARRY ARGENT
WILLIS HUGH ATKINSON
DOROTHY MURIEL BAKER
ARTHUR LOUIS BARBAKOFF, B.S.
SIDNEY MORRIS BERNSTEIN
DUNCAN BIDDLECOMBE, B.S.
JOHN DEMPSIE BOLAND, B.S.
BRUCE MORGAN BROWN, B.S.
LEO JEROME BROWN, B.Ed., Southern Illinois State Teachers College; B.S.
LEONARD SUMNER BUCK, B.S.
MAURICE SAUL BURDICK, B.S., University of Chicago
ROBERT DEFORREST BURLEY, B.S.
GEORGE BUSH, B.S.
BERNARD MANUEL CHAPMAN, B.S.
MEYER B. COHEN, B.S.
THEODORE MICHAEL COHEN, B.S.

Clarence Cohrs, B.S.
Marshall A. Cousens, B.S.
Earl Scott Davis
Robert Fuller Dearborn, B.S.
Bruno Anton Desulis
Harry Louis Deutsch, B.S.
Donald Dick, A.B., Cornell College
Sol Paul Ditkowsky, B.S.
Theodore Jacob Dulin, B.S.
Katherine Duncan, B.S.
Maurice Dunn, B.S., with Honors
Lester Horrow Eisendorf, B.S.
Sydney Fabian
Ernest Theodore Faigle, Ph.C., B.S.
Joseph Edwin Faingold, Ph.C., B.S.
Everett George Falconer, B.S.
Philip Falk, B.S., with Honors
Abraham William Feldman, B.S.
Bourke Firfer, B.S.
Franz Karl Fleischli, B.S.
Robert George Fox, B.S.
Mitchell Louis Frank, B.S.
Wendel Rayburn Freeman
Maxwell Gage, B.S.
Irwin Earle Gaynon, B.S.
George Joseph David Gertz, B.S.
William Nimmo Gilman, A.B., B.S.
Herman Gladstone, B.S., Northwestern University
Henry Bernard Goldt, B.S.
Alan D. Green
Milton David Grossman
Marie Anna Hagele, B.S., Lewis Institute; M.S., with Honors
Eugene Green Hamilton
John Richard Heaton, B.S.
Jerome Fredrick Heinrich, B.S.
Edmond Richard Hess, B.S.
Howard Eugene Heyer, B.S., with Honors
James Leopold Hora, Ph.C., B.S.
Isadore Isovitz, B.S.
Abraham Izzak Jackman, B.S.
Henry Joseph Jacobs, B.S.
Hilerd Westley Jenkins, B.S.
Leonard Alvin Kagen, B.S.
Lowell Edwin Kannapel, A.B., Bradley Polytechnic Institute
Samuel Kantor, B.S., Northwestern University
Irwin Arthur Kallen, B.S., with Honors
Joseph Harold Kaplan, B.S.
Max Kaplan, A.B., University of Rochester
Walter Curtis Kinser, B.S.
Richard Ernest Kinzer
Martin John Klapman, B.S.
Karl Klokke, B.S., Wheaton College
Meyer Walter Kobrin, B.S.
Leonard Hyman Kolb, B.S.
Walter S. Kotas, B.S.
Meyer Kushner, B.S.
George Jerome Kvidera, B.S.
Herbert Lack, B.S., with Honors
Herbert Sol Lakin, B.S.
Henry Peter Lattuada, B.S.
Charles Richard Lenz, Jr., B.S.
Milton Lerner, B.S.
Joseph Milton Levenson, B.S.
Myron Jame Levin, B.S.
Edward Levine, B.S.
Bernard M. Lipschultz, B.S.
Robert Eugene Logsdon
Gabe Celsor Long
Maurice Lorber, B.S., University of Chicago
Victor Lorber, B.S., University of Chicago, with High Honors
Edward Albert Luke, B.S.
Burle Beauregard Madison
Philip Milton Marcus, B.S.
Thomas Anthony McInerney, B.S., Lewis Institute
Jerome Saul Mehlman, A.B., Western Reserve University, with Honors
Abraham Melamed, B.S.
Joseph Rudolph Mitchell
Leon Frank Moldavsky, A.B., Western Reserve University; M.S.
Martin Luther Mosher, Jr., B.S.
Raymond Brereton Murphy, B.S., Lewis Institute, with Honors
Ernest Martin Nielsen
Louis Olsman, B.S.
Carl Palumbo
Solomon Pearlman, Ph.B., University of Chicago
Hyman Peck, Ph.C., B.S.
Louis Judea Perlmutter, B.S.
Paul Quayle Peterson, B.S.
Reuben Max Reifler, Ph.G., B.S.
Milton Robin, B.S.
William Rosenberg, B.S.
Albert Hessel Rosenblatt, B.S.
Robert R. Rothschild, B.S.
Harry Osbourne Ryan, Jr., B.S.
Zal Hyman Sanders, B.S.
Francis Eugene Sauer, B.S.
Margaret Mary Scannell, B.S.
Walter William Schwartz, B.S.
Wayne Pulley Sirles, B.S.
Herschel Stanley Smith, A.B.
Leo Smollar
Carl K. Solander, B.S.
Edward Sosson, B.S.
Robert Andrew Spencer, B.S.
Isadore Spinka, B.S., with Honors
William Edward Steiner, B.S.
Robert Healy Stevens, B.S.
Grant Suttie, B.S.
Vladimir Christov Svetanov, B.S.
Roy Frank Teborek, B.S.
Milton R. Tobias

RUSSELL GROVES TRUMMEL, B.S., M.S.
GLEN HALL WALKER
JAMES BRUCE WALLER, B.S.
REUBEN ROBERT WASSERMAN, B.S.
DAVID WASSERMANN, B.S.
PAUL K. WEICHSELBAUM, B.S.
HARRY I. WEINER, B.S.
BEN K. WILLIAMSON, B.S., St. Ambrose College
ALLEN EDWARD WINER, B.S.
WILLIAM HENRY WRIGHT, B.S.
DILLMAN FORBES ZIEGLER, B.S.
JOSEPH JOHN ZUSKA, B.S., with Honors

Degree of Bachelor of Medicine

Conferred in June, 1937

ALFRED HILTON CASSIDY, B.S. Lewis Institute
HAROLD WAYNE HAMMATT, B.S.
DOROTHY KATHRYN O'CONNOR, A.B., B.S.
PAUL JOSEPH O'NEILL, A.B., M.S., B.S.
GEORGE VERNON POTTER, B.S.
WALTER SHRINER, B.S., M.S.
MAYBELLE P. WILLIAMS, B.S., Shurtleff College

Conferred in October, 1937

VINCENT JAMES GRECO, M.D.
ANTHONY EDWARD SUKIS, M.D.
DAVID WASSERMANN, B.S.

Degree of Doctor of Medicine

(Conferred as of dates indicated)

HARRIE POND ALTMAN, JR. (July 1)
HERBERT JACK APFELBERG, B.S. (June 15)
GEORGE HAROLD ASHLINE, A.B., B.S. (September 30)
MEYER BACKER, Ph.C., B.S. (September 30)
MILTON CHARLES BAUMANN, B.S. (July 1)
ARTHUR BERMAN (July 1)
SAMUEL MITCHELL BLUEFARB, B.S. (December 31)
GEORGE WENCIL BOHR (June 6)
HAROLD HENRY BOROS, B.S., Northwestern University; B.M. (July 1)
ABRAHAM BRODSKY, B.S. (July 1)
RAY ELWOOD BUCHER (July 1)
LESTER PAUL BUNCHMAN (July 1)
SAMUEL BURACK, B.S. (September 30)
EDWARD MAURICE BURNS (June 6)
JOSEPH PETER CASCINO, B.S. (December 31)
JOHN GOOLSBY CECIL, B.S. (July 1)
RALPH ROBERT CHAPMAN, B.S. (July 1)
CHESTER COGGESHALL, B.S. (July 1)
JOHN LEWIS CUTLER, B.S., B.M. (July 1)
MEYER MERLE CUTLER, B.S. (June 15)
DUANE DELBERT DARLING, B.S., University of Chicago, with Honors (July 1)
SYDNEY ALFRED DIAMOND, B.S., University of Chicago (July 1)
HOWARD ELLSWORTH DORTON, B.S., with Honors (July 1)
CORINNE SCHENCK EDDY, Ph.B., University of Chicago; B.M. (August 31)
BENJAMIN EINHORN, B.S., B.M. (July 1)
GERSON FADEN, A.B. (February 10)
IRVING FAVUS, B.S. (July 1)
PAUL EDWARD FELDMAN, B.S., University of Chicago (July 1)
ROBERT VERNON FERRELL, B.S. (July 1)
JOSEPH HENRY FILIP, B.S. (December 31)
JACK FINKELSTEIN, B.S. (December 31)
JACOB C. FLEISCHER, B.S., Northwestern University (July 1)
LEONA ROSEMARY FORDON, B.S. (July 1)
HAROLD S. FRIEDMAN, B.S., Northwestern University (July 1)
EUGENE WARREN GESSLER, B.S. (July 1)
ALFRED JOSEF GOLDYNE, B.S. (July 1)
JOSEPH ROBERT GORAN (July 1)
ORVILLE EUGENE GORDON, B.S. (December 31)
GASPER ASA GOSHGARIAN (June 15)
MORRIS GREENBERG, B.S. (July 1)
JACOB GROSSBLAT, B.S. (July 1)
JACK WILLIAM GROSSMAN, B.S. (July 31)
SAMUEL ALBERT GUNN, B.S. (June 15)
JOHN OLAF HANSON, B.S. (July 1)
GEORGE MELVIN HARMS, B.S. (July 1)
JOHN A. HAVLICEK, B.S. (June 6)
WADE FREDERIC HERITAGE, B.S. (July 1)
PAUL HERZOG, B.S. (June 15)
AARON ARTHUR HILKEVITCH, B.S., University of Chicago (July 1)
ALLAN BONNER HIRSCHTICK, B.S. (July 1)
NATHAN LEONARD HOFFENBERG, B.S. (July 1)
MAURICE THOMAS HORSMAN (July 1)
ELFRIEDE HORST, A.B. (July 1)
HAROLD DALE HUFF, B.S. (July 1)
KENNETH FRANKLIN HUGHES, B.S. (July 1)

William Addison Hutchison (July 1)
Francis Marion Jacks, B.S. (July 1)
Garland Uriah Jamison, A.B. (July 1)
Natalia Julia Janicki, B.S. (July 1)
Ernest Arthur Kahn, B.S. (July 1)
Elmer John Kalal (July 1)
John Stuart Kapernick, B.S. (July 1)
Henry Kaplan, B.S. (June 15)
Leo Abraham Kaplan (December 31)
Selig Joel Kavka, B.S. (June 15)
John Wesley Keyes, B.S. (August 31)
Alfred Joseph Klein, B.S. (July 1)
Ernest S. Klein (July 1)
William Philip Kleitsch, B.S., M.S. (December 31)
Charles Donald Krause (June 15)
Alfred John Kreft, B.S. (July 1)
Ralph Kuhlman (July 1)
Corinna Kurvinen, B.S., University of Chicago (July 1)
Joseph Arthur Kwint, B.S. (July 1)
Herman Boris Lander, B.S. (July 1)
Gilbert George Lapid, B.S. (June 15)
Harry Lasin, B.S. (July 1)
Philip Rankin Latta, B.S. (July 14)
Fred Hunter Lawrence, A.B., B.S. (July 1)
Edwin Harvey Lawson, B.S., University of Chicago; B.S. (July 1)
Arthur Bernard Levan, B.S., M.S., with Honors (December 31)
Louis Levin, B.S. (July 1)
Milton Jack Levisohn, B.S. (July 1)
Roland Marco Levisohn, B.S. (July 1)
Samuel Liebman, B.S., M.S. (June 24)
Sol Ludmerer, B.S. (July 1)
Samuel M. Marcus, B.S. (December 31)
Lloyd Louis Matzkin, B.S. (June 15)
Simon Jacob Maydet, B.S. (July 1)
Emerson King McVey (July 1)
Nathan Harry Miller (July 1)
Felix Patrick Mooney (September 30)
William Goodrich Motel, B.S. (July 1)
Bernard Benjamin Neuchiller, B.S. (July 1)
Everett Jacob Olenick, B.S., M.S., with Honors (December 31)
Edward Palmer, Ph.B., DePaul University (July 1)
Leonard Peal (December 31)
Arthur Karl Peterson, B.S., University of Chicago (June 15)
Theodore Algird Poska, B.S., University of Chicago (July 22)
Fred August Quenzer, B.S. (June 6)
Samuel S. Reinglass, B.S. (December 31)
Oliver Vernon Renaud, B.S. (December 31)
Stanley Everett Robinson (July 1)
Isadore Irving Rosen, B.S. (July 22)
Herbert Edgar Rubin, B.S., Northwestern University (July 1)
Reuben Rubisoff, B.S. (January 12)
Seymour R. Salberg, B.S. (May 25)
Preston Walker Sawyer, B.S. (June 15)
Louis Schlan, B.S. (July 1)
Ernst Schmidhofer, Jr. (June 6)
Samuel Louis Schreiber, Ph.C., B.S. (December 31)
Joseph Schwartz, B.S., Northwestern University (July 1)
Harry M. Segenreich, B.S., University of Chicago (September 30)
Arthur Louis Shapiro, B.S. (June 15)
Irene Shmigelski (July 1)
David B. Silbert (July 1)
Adam Slaw, B.S. (July 1)
John Wallace Stastny, B.S., University of Chicago (July 1)
David William Steinberg, B.S. (July 1)
Harold Steinberg (July 1)
Hyman Sydney Steinberg, B.S. (July 1)
David Henry Stern, B.S. (July 1)
Anthony Edward Sukis (July 1)
John Richard Taylor, B.S., B.M. (September 30)
Stanley Edward Telser, A.B. (December 31)
Ira Tresley, B.S. (July 1)
Jay Donald Trotter (July 1)
Hymen Leon Udesky, B.S. (July 1)
Chester Wade, B.S., M.S. (July 1)
William Stanley Walsh, B.S. (July 1)
Joseph Eugene Walton, B.S. (June 28)
Milan Michael Wasick, B.S. (June 15)
Leonard Lester Weil, B.S. (July 1)
Jack Weinberg (July 1)
Ross Russell Weller, A.B., University of Wisconsin (July 1)
Clarence Benjamin Wyngarden, B.S. Wheaton College (July 1)
Francis Joseph Young, B.S. (July 1)
Joseph Johanan Young, B.S. (June 15)
Tommy Richard Young, A.B., B.S. (July 1)
Mary Zeldes, A.B., Knox College (July 1)
William Bernard Zelik, B.S. (June 20)
Sidney Edward Ziffren, B.S. (July 1)
Raymond Dumont Zimont, B.S. (July 1)

REGISTER OF STUDENTS, 1937-38

Fifth-Year Class—Hospital Appointments for 1937-38

(Unless otherwise noted, hospitals are located in Chicago)

Abrams, Morris, B.S., Butterworth Hospital, Grand Rapids, Michigan.
Alion, J. Joseph, B.S., Edgewater Hospital.
Argent, Albert Harry, St. Catherine's Hospital, East Chicago, Indiana.
Atkinson, Willis Hugh, St. Francis Hospital, Peoria, Illinois.
Baker, Dorothy Muriel, Traverse City Hospital and James Decker Munson Hospital, Traverse City, Michigan.
Barbakoff, Arthur Louis, B.S., Grant Hospital.
Bernstein, Sidney Morris, Mt. Carmel Hospital, Columbus, Ohio.
Biddlecombe, Duncan, B.S., Cook County Hospital.
Boland, John Dempsie, B.S., St. Anne's Hospital.
Brown, Bruce Morgan, B.S., St. Luke's Hospital.
Brown, Leo Jerome, B.Ed., B.S., City Hospital, St. Louis, Missouri.
Buck, Leonard Sumner, B.S., Los Angeles County Hospital, Los Angeles, California.
Burdick, Maurice Saul, B.S., St. Mary of Nazareth Hospital.
Burley, Robert DeForrest, B.S., Ancker Hospital, St. Paul, Minnesota.
Bush, George, B.S., Cedars of Lebanon Hospital, Los Angeles, California.
Cassidy, Alfred Hilton, B.S., West Suburban Hospital, Oak Park, Illinois.
Chapman, Bernard Manuel, B.S., University Hospital.
Cohen, Meyer Barney, B.S., Cook County Hospital.
Cohen, Theodore Michael, B.S., Cook County Hospital.
Cohrs, Clarence, B.S., Illinois Central Hospital.
Cousens, Marshall A., B.S., St. Catherine's Hospital, East Chicago, Indiana.
Davis, Earl Scott, St. Margaret's Hospital, Kansas City, Kansas.
Dearborn, Robert Fuller, B.S., Methodist Hospital, Madison, Wisconsin.
Desulis, Bruno Anton, Grant Hospital.
DeTrana, Frank, Milwaukee County Hospital, Wauwatosa, Wisconsin.
Deutsch, Harry Louis, B.S., Chicago Memorial Hospital.
Dick, Donald, A.B., Grant Hospital.
Ditkowsky, Sol Paul, B.S., Cook County Hospital.
Dulin, Theodore Jacob, B.S., General Hospital, Seattle, Washington.
Duncan, Katherine, B.S., Hurley Hospital, Flint, Michigan.
Dunn, Maurice, B.S., Mt. Sinai Hospital.
Eisendorf, Lester Horrow, B.S., St. Mary of Nazareth Hospital; Research and Educational Hospital.
Fabian, Sydney, St. Catherine's Hospital, East Chicago, Indiana.
Faigle, Ernest Theodore, Ph.C., B.S., Swedish Covenant Hospital.
Faingold, Joseph Edwin, Ph.C., B.S., Jackson Park Hospital.
Falconer, Everett G., B.S., Garfield Park Hospital.
Falk, Philip, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Feldman, Abraham William, B.S., Edgewater Hospital.
Firfer, Bourke, B.S., Jackson Park Hospital.
Fleischli, Franz Karl, B.S., University Hospital; Cook County Hospital.
Flowers, Vladimir Christian, B.S., Indianapolis Hospital, Indianapolis, Indiana.
Fox, Robert George, B.S., Ravenswood Hospital.
Frank, Mitchell Louis, B.S., Cedars of Lebanon Hospital, Los Angeles, California.
Freeman, Wendel Rayburn, B.S., Research and Educational Hospital.
Gage, Maxwell, B.S., St. Elizabeth's Hospital, Lincoln, Nebraska.
Gaynon, Irwin Earle, B.S., Evangelical Deaconess Hospital, Milwaukee, Wisconsin.
Gertz, George Joseph David, B.S., Cook County Hospital.
Gilman, William Nimmo, A.B., B.S., Grant Hospital.
Gladstone, Herman, B.S., Michael Reese Hospital.
Goldt, Henry Bernard, B.S., St. Elizabeth's Hospital.
Green, Alan D., B.S., Lutheran Deaconess Hospital.
Grossman, Milton David, St. Joseph's Mercy Hospital, Sioux City, Iowa.
Hagele, Marie Anna, B.S., M.S., Research and Educational Hospital.
Hamilton, Eugene Green, St. Mary's Group (University) Hospital, St. Louis, Missouri.
Hammatt, Harold Wayne, B.S., Alexian Brothers Hospital.
Heaton, John Richard, B.S., St. Elizabeth's Hospital, Lafayette, Indiana.
Heinrich, Jerome Frederick, B.S., E. W. Sparrow Hospital, Lansing, Michigan; Cook County Hospital.
Hess, Edmond Richard, B.S., Cook County Hospital.
Heyer, Howard Eugene, B.S., St. Luke's Hospital.
Hora, James Leopold, Ph.C., B.S., St. Anthony de Padua Hospital.
Isovitz, Isadore, B.S., Cook County Hospital.
Jackman, Abraham Izzak, B.S., St. Margaret's Hospital, Hammond, Indiana.
Jacobs, Henry Joseph, B.S., St. Luke's Methodist Hospital, Cedar Rapids, Iowa.
Jenkins, Hilerd Westley, A.B., Cook County Hospital.
Kagen, Leonard Alvin, B.S., Cook County Hospital.
Kannapel, Lowell Edwin, A.B., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Kantor, Samuel, B.S., Cook County Hospital.
Kallen, Irwin Arthur, B.S., Mt. Sinai Hospital.
Kaplan, Joseph Harold, B.S., Cook County Hospital.
Kaplan, Max, A.B., Michael Reese Hospital.
Kinser, Walter Curtis, B.S., Englewood Hospital.
Kinzer, Richard Ernest, B.S., Ravenswood Hospital.
Klapman, Martin John, B.S., Alexian Brothers Hospital.
Klokke, Karl, B.S., Evangelical Hospital.
Kobrin, Meyer Walter, B.S., St. Catherine's Hospital, East Chicago, Indiana.
Kolb, Leonard Hyman, B.S., Mt. Sinai Hospital.
Kotas, Walter S., B.S., St. Luke's Hospital, Denver, Colorado.
Kushner, Meyer, B.S., American Hospital.
Kvidera, George Jerome, B.S., West Suburban Hospital, Oak Park, Illinois.
Lack, Herbert, B.S., Cook County Hospital.
Lakin, Herbert Sol, B.S., Cook County Hospital.
Lattuada, Henry Peter, B.S., City Hospital, St. Louis, Missouri.
Lenz, Charles Richard, Jr., B.S., Bethel Hospital, Colorado Springs, Colorado.

Lepak, Alfred Joseph, West Suburban Hospital, Oak Park, Illinois.
Lerner, Milton, B.S., Los Angeles County Hospital, Los Angeles, California.
Levenson, Joseph Milton, B.S., Englewood Hospital.
Levin, Myron Jame, B.S., Woodlawn Hospital.
Levine, Edward, B.S., Cook County Hospital.
Lipschultz, Bernard M., B.S., Cook County Hospital.
Logsdon, Robert Eugene, Illinois Central Hospital.
Long, Gabe Celsor, Indianapolis City Hospital, Indianapolis, Indiana.
Lorber, Maurice, B.S., Research and Educational Hospital.
Lorber, Victor, B.S., Michael Reese Hospital.
Luke, Edward Albert, B.S., United States Public Health Service.
Madison, Burle Beauregard, Milwaukee County Hospital, Wauwatosa, Wisconsin.
Marcus, Philip Milton, B.S., Michael Reese Hospital.
McInerney, Thomas Anthony, B.S., St. Anne's Hospital.
Mehlman, Jerome Saul, A.B., Michael Reese Hospital.
Melamed, Abraham, B.S., Mt. Sinai Hospital, Milwaukee, Wisconsin.
Mitchell, Joseph Rudolph, Provident Hospital.
Moldavsky, Leon Frank, A.B., M.S., Mt. Sinai Hospital, Cleveland, Ohio.
Mosher, Martin Luther, Jr., B.S., Illinois Central Hospital.
Murphy, Raymond B., B.S., Cook County Hospital.
Nielsen, Ernest Martin, William Beaumont General Hospital, El Paso, Texas.
O'Connor, Dorothy Kathryn, A.B., B.S., Municipal Contagious Hospital; Cook County Hospital.
Olsman, Louis, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
O'Neill, Paul Joseph, A.B., B.S., M.S., Municipal Contagious Hospital; Cook County Hospital.
Palumbo, Carl, Mother Cabrini Hospital; Cook County Hospital.
Pearlman, Sol, Ph.B., Mt. Sinai Hospital.
Peck, Hyman, Ph.C., B.S., Jackson Park Hospital.
Perlmutter, Louis Judea, B.S., Los Angeles County Hospital, Los Angeles, California.
Peterson, Paul Quayle, B.S., Bethesda Hospital, Cincinnati, Ohio.
Potter, George Vernon, B.S., Southern Pacific General Hospital, San Francisco, California.
Reifler, Reuben Max, Ph.G., B.S., Cook County Hospital.
Robin, Milton, B.S., St. Elizabeth's Hospital.
Rosenberg, William, B.S., Cook County Hospital.
Rosenblatt, Albert Hessel, B.S., Roseland Community Hospital.
Rothschild, Robert Ruby, B.S., Edgewater Hospital.
Ryan, Harry Osbourne, Jr., B.S., St. Luke's Hospital.
Sanders, Zal Hyman, B.S., Edgewater Hospital.
Sauer, Francis Eugene, B.S., Mercy Hospital, Canton, Ohio.
Scannell, Margaret Mary, B.S., Norwegian-American Hospital.
Schwartz, Walter William, B.S., Cook County Hospital.
Shriner, Walter, B.S., M.S., West Suburban Hospital, Oak Park, Illinois.
Sirles, Wayne Pulley, B.S., City Hospital, St. Louis, Missouri.
Smith, Herschel Stanley, A.B., Missouri Methodist Hospital, St. Joseph, Missouri.
Smollar, Leo, B.S., Los Angeles County Hospital, Los Angeles, California.
Solander, Carl K., B.S., Grant Hospital.
Sosson, Edward, B.S., Cook County Hospital.
Spencer, Robert Andrew, B.S., St. Mary's Hospital, Superior, Wisconsin; Cook County Hospital.
Spinka, Isadore, B.S., Cook County Hospital.
Steiner, William Edward, B.S., Grant Hospital; Research and Educational Hospital.
Stevens, Robert Healy, B.S., Ancker Hospital, St. Paul, Minnesota.
Suttie, Grant, B.S., Grant Hospital.
Teborek, Roy Frank, B.S., St. Anthony de Padua Hospital.
Tobias, Milton Roy, Jackson Park Hospital.
Trummel, Russell Groves, B.S., M.S., St. Francis Hospital, Peoria, Illinois.
Walker, Glen Hall, B.S., St. Joseph's Hospital, Phoenix, Arizona.
Waller, James Bruce, B.S., Milwaukee County Hospital, Wauwatosa, Wisconsin.
Wasserman, Reuben Robert, B.S., University Hospital; Cook County Hospital.
Wassermann, David, B.S., B.M., Mother Cabrini Hospital; New York City Hospital, New York, New York.
Weichselbaum, Paul K., B.S., Research and Educational Hospital.
Weiner, Harry I., B.S., St. Margaret's Hospital, Hammond, Indiana.
Williams, Maybelle P., B.S., Lutheran Deaconess Hospital.
Williamson, Ben K., B.S., United States Marine Hospital.
Winer, Allen Edward, B.S., Mt. Sinai Hospital.
Wright, William Henry, B.S., Research and Educational Hospital.
Ziegler, Dillman Forbes, B.S., St. Anne's Hospital.
Zuska, Joseph John, B.S., U. S. Naval Hospital, San Diego, California.

Fourth-Year Class, 1937-38

(With hospital appointments for 1938-39)

Adler, Edmund Roy, B.S., St. Mary of Nazareth Hospital.
Albin, Meyer Stanley, St. Margaret's Hospital, Hammond, Indiana.
Atherton, Clifford Worden, St. Francis Hospital, Peoria, Illinois.
Bailis, Jack Mark, B.S., Jackson Park Hospital.
Ballou, John William, B.S., Illinois Central Hospital.
Barnett, Harry E., B.S., Cook County Hospital.
Baumgartner, Wilbur Whittler, B.S., Cook County Hospital.
Benson, Raymond Emanuel, B.S., St. Luke's Hospital.
Berger, Samuel, B.S., Cook County Hospital.
Berkelhamer, Ralph Carl, B.S., Englewood Hospital; Cook County Hospital.
Bernstone, Mark, B.S., St. Mary's Mercy Hospital, Gary, Indiana.
Bielinski, Brunon, A.B., B.S., St. Mary of Nazareth Hospital.
Blaha, George Charles, B.S., Cook County Hospital.
Bond, Clinton Spencer, Monmouth Memorial Hospital, Long Branch, New Jersey.
Bowman, John August, Jr., B.S., Grant Hospital.
Brooks, Jack E., B.S., Cook County Hospital.
Brown, Paul Hart, B.S., The Queen's Hospital, Honolulu, Hawaii.

Carlin, George Whitham, A.B., B.S., St. Luke's Hospital.
Christian, Horace Pearse, B.S., West Suburban Hospital.
Cohenour, Robert Elmer, B.S., Ravenswood Hospital.
Cohn, Arnold Melvin, B.S., Swedish Covenant Hospital.
Cohn, Philip Edward, Jackson Park Hospital.
Coopersmith, Bernard I., B.S., Michael Reese Hospital.
Dolan, Patrick Thomas, Jr., B.S., St. Joseph's Hospital.
Donoghue, Edmund Roche, B.S., Augustana Hospital.
Dorris, Victor Murphy, B.S., Cook County Hospital.
DuVigneaud, DeSales Guillaume, B.S., U. S. Public Health Hospital.
Eagleston, Frederick LeRoy, Jr., B.S., Augustana Hospital.
Ehrlich, Alfred Stuart, B.S.
Einhorn, Harold, University Hospital.
Falk, Alfred Bernard, B.S., Cook County Hospital.
Fantus, Robert Alan, B.S., Garfield Park Community Hospital.
Feldman, Edward George, Cook County Hospital.
Fisher, Leah, B.S., Mt. Sinai Hospital.
Flexman, Edmund Arthur, A.B., Ravenswood Hospital.
Fort, Richard George, B.S., St. Francis Hospital, Evanston, Illinois.
Friedman, Isadore, B.S., Cook County Hospital.
Friedman, Jack, B.S., Lutheran Deaconess Hospital.
Friedman, Leonard David, B.S., St. Anthony de Padua Hospital.
Fromm, Rose, B.S., Women and Children's Hospital.
Fruin, Richard Lawrence, B.S., U. S. Navy Hospital.
Fuqua, Harold Boyd, U. S. Public Health Hospital.
Gerber, Samuel Theodore, B.S., Swedish Covenant Hospital.
Goder, George Augustine, B.S., Henry Ford Hospital, Detroit, Michigan.
Goldstein, Robert Maurice, Ph.B., Grant Hospital.
Gradman, Ralph, B.S., Cook County Hospital.
Greenberg, Adeline S., B.S., Research and Educational Hospital.
Gregory, Gus Devantenos, Cook County Hospital.
Grubman, Marvin, B.S., Cook County Hospital.
Gutman, Emil, B.S., Toledo Hospital, Toledo, Ohio.
Haftkowski, Dominic Joseph, B.S., St. Mary's of Nazareth Hospital.
Hallett, Joseph Jacob, A.B., Research and Educational Hospital.
Hamilton, Earl Douglas, B.S., Ravenswood Hospital.
Handwerger, Irving, B.S., Garfield Park Community Hospital.
Hanson, Martin Franklin, B.S., Grant Hospital.
Hart, Robert Dean, B.S., Augustana Hospital.
Haskins, Jack Tilden, B.S., St. Anthony Hospital, St. Louis, Missouri.
Havranek, James Charles, B.S., St. Anne's Hospital.
Hayes, Rowine Mae, Research and Educational Hospital.
Haynes, Walter George, St. Luke's Hospital.
Hecker, Robert Clarence, B.S., St. Mary's Hospital, Racine, Wisconsin.
Helfrich, Loring Smith, B.S., Research and Educational Hospital.
Hellrung, Cecilia Marian, A.B., Norwegian-American Hospital.
Herron, Harold, B.S., St. Anthony Hospital, Oklahoma City, Oklahoma.
Herzberg, Milton, B.S., St. Margaret's Hospital, Hammond, Indiana.
Hlavacek, Louis Joseph, B.S., Alexian Brothers Hospital.
Horwitz, Moris, B.S., Michael Reese Hospital.
Howard, Wayne Cox, B.S., Homer G. Phillips Hospital, St. Louis, Missouri.
Irons, Edward Pace, U. S. Public Health Hospital.
Iuppa, Nicholas Victor, St. Mary's Hospital, Rochester, New York.
Jedlicka, Frank Louis, B.S., General Hospital, Rochester, New York.
Jensik, Robert Joseph, B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Joffe, Herman, B.S., Cook County Hospital.
Kaiser, Jerome, B.S., Jackson Park Hospital.
Kemp, Karlton Hubert, Santa Rosa Hospital, San Antonio, Texas.
Kerman, Willard Z., B.S., Cook County Hospital.
Klein, Max Edward, B.S., Mt. Sinai Hospital, Milwaukee, Wisconsin.
Kruglik, Meyer, B.S., University Hospital.
Lambert, Edward Howard, B.S., Michael Reese Hospital.
Lapid, Louis Sanford, B.S., Mt. Sinai Hospital.
Lerner, Sydney Alexander, B.S., Edgewater Hospital.
Leverenz, Carleton Walter, Ph.G., Ancker Hospital, St. Paul, Minnesota.
Levin, Jack, Ph.C., B.S., Cook County Hospital.
Lubin, Jerome Jack, B.S., Jackson Park Hospital.
Malow, Louis, B.S., Cook County Hospital.
Menaker, Gerald Joseph, B.S., Michael Reese Hospital.
Merret, Russell John, South Pacific General Hospital, San Francisco, California.
Meyer, Benjamin Samuel, Ph.B., Michael Reese Hospital.
Miller, Herbert Samuel, B.S., St. Louis City Hospital, St. Louis, Missouri.
Moisant, Bernard Edward, B.S., St. Catherine's Hospital, E. Chicago, Indiana.
Moore, George Ensley, A.B., B.S., Missouri Baptist Hospital, St. Louis, Missouri.
Morgan, George Edward, St. Anthony de Padua Hospital.
Nagoda, Edward Joseph, B.S., St. Vincent's Hospital, Toledo, Ohio.
Nesmith, Harry DeWitt, B.S., Missouri Baptist Hospital, St. Louis, Missouri.
Nowak, Henry Joseph, B.S., Madison General Hospital, Madison, Wisconsin.
O'Connor, John William, Cook County Hospital.
Olson, Stanley William, B.S., Cook County Hospital.
O'Neil, George Joseph, Cook County Hospital.
Patterson, Roy Lee, Englewood Hospital.
Pearlman, Maurice David, B.S., Michael Reese Hospital.
Peltzer, Wesley Eugene, B.S., Research and Educational Hospital.
Peters, Clifford Henry, B.S., Research and Educational Hospital.
Peterson, Lawrence William, B.S., Research and Educational Hospital.
Petkus, Antonie Shirley, B.S., Hackley Hospital, Muskegon, Michigan.
Petrakos, Harry Nick, B.S., Cook County Hospital.
Piper, William Nelson, Jr., B.S., St. Louis City Hospital, St. Louis, Missouri.

Pistorius, Kenneth Lewis, B.S., Grant Hospital.
Powell, Harry I., St. Margaret's Hospital, Hammond, Indiana.
Premuda, Franklin Fred, A.B., St. Catherine's Hospital, E. Chicago, Indiana.
Prucher, Louis Robert, West Suburban Hospital, Oak Park, Illinois.
Purvey, Jack Compton, St. Francis Hospital, Evanston, Illinois.
Reeser, Wayne, B.S., Methodist Hospital, Dallas, Texas.
Requarth, William Henry, St. Luke's Hospital.
Ricewasser, Henry, A.B., B.S., Cook County Hospital.
Ricketts, Marion Masters, Jr., B.S., St. Luke's Hospital.
Rosenthal, Morris M., B.S., Cook County Hospital.
Rothenberg, Harold Jerôme, B.S., Cook County Hospital.
Rushakoff, Oscar, B.S., Cook County Hospital.
Ryde, Robert Emerson, Ravenswood Hospital; Cook County Hospital.
Sandor, Andrew A., B.S., St. Elizabeth's Hospital, LaFayette, Indiana.
Sargent, William Farthing, University Hospital; Cook County Hospital.
Schaffer, Bernard J., Jackson Park Hospital.
Schwartz, Merle Harold, A.B., Garfield Park Community Hospital.
Sheagren, John Wesley, B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Shulman, Myer, Jackson Park Hospital.
Simpson, Frederick Gleadall, B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Skolnik, Fannie Finkelstein, B.S., Cook County Hospital.
Smith, Lester Lawrence, A.B., U. S. Public Health Hospital.
Sneider, Milton Jerome, B.S., Mt. Sinai Hospital, Milwaukee, Wisconsin.
Spira, Samuel B., B.S., St. Catherine's Hospital, E. Chicago, Indiana.
Steinbock, Henry Fred, B.S., Evangelical Hospital.
Steininger, Joseph Francis, B.S., St. Mary's Mercy Hospital, Gary, Indiana.
Stubenrauch, Charles Henry, Jr., B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Swatek, Albert Frederick Roy, B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Sweitzer, Caesar, B.S., Grant Hospital.
Tauber, Sydney William, B.S., Edgewater Hospital; Cook County Hospital.
Tavris, Hyman, Edgewater Hospital.
Taylor, Jack, St. Louis City Hospital, St. Louis, Missouri.
Tepper, Sidney Merrill, B.S., Cook County Hospital.
Tesarik, Annette Viola, B.S., Los Angeles County General Hospital, Los Angeles, California.
Thompson, John Vernon, B.S., Ancker Hospital, St. Paul, Minnesota.
Von Asch, George Frederick, B.S., Cook County Hospital.
Wagner, Merrill Weinert, St. Anne's Hospital.
Wallace, John Keay, II., B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Walter, Jacob, B.S., St. Mary's Mercy Hospital, Gary, Indiana.
Waniata, George Norman, B.S., Los Angeles County General Hospital, Los Angeles, California.
Warshell, Arnold Harris, B.S., Bethesda Hospital, Cincinnati, Ohio.
Weinberg, Benjamin Abra, B.S., Woodlawn Hospital.
Weinstein, Roy Cyril, B.S., Cook County Hospital.
Weintraub, Jerome, St. Margaret's Hospital, Hammond, Indiana.
Weissman, Charles Gilbert, B.S., St. Luke's Hospital, Milwaukee, Wisconsin.
Wienman, George Joseph, B.S., Cook County Hospital.
Williams, Fred Miller, B.S., Hurley Hospital, Flint, Michigan.
Williger, Irwin Fox, B.S., Knoxville General Hospital, Knoxville, Tennessee.
Wilson, Scottie Jackson, B.S., Ancker Hospital, St. Paul, Minnesota.
Winters, Kenneth John, A.B., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Yaffe, Bernard, Woodlawn Hospital.
Yemm, Warren Ashley, B.S., Cook County Hospital.

Third-Year Class, 1937-38

Adland, Morris Aran, B.S.
Anderson, Donald William, B.S.
Anderson, Stanley Edward, B.S.
Arends, G. William, B.S.
Barkett, Soddie James, B.S.
Barringer, Floyd Samuel, B.S.
Bartoli, Adolph, Jr., B.S.
Becker, Leonard Albert, A.B., B.S.
Beebe, Robert Archie, B.S.
Binder, Paul, B.S.
Bocian, Jack James, B.S.
Boeke, Emmert George, B.S.
Borshevsky, George
Brebis, George Joseph, B.S.
Brown, Theodore Wallingford, B.S.
Brown, William John, B.S.
Buchholz, Alexander Maurice, B.S.
Buckley, Joseph Harry, B.S.
Campbell, Michael Joseph, B.S.
Carstens, Herman Paul, B.S.
Chasten, Stephen Matthew, B.S.
Cooper, George Joseph, B.S.
Corpe, Raymond Francis, B.S.
Crocker, Melvin Hugh
Cumming, Thomas Stewart, B.S.
Curtis, David Thomas, B.S.
Danishek, Emil Stephan, B.S.
Derengoski, Cornell Leonard, B.S.
Diamondstone, Albert Harold, B.S.
Domm, Sheldon Edward, A.B., A.M.
Dorne, Ralph Marvin, B.S.
Drell, Maurice Joseph, B.S.
Dworin, Jack Walter, B.S.
Ehrlich, Louis, Ph.C., B.S.
Ehrlich, Norman James, B.S.
Engle, Harold Martin, B.S.
Engstrom, Robert Birger, A.B.
Esposito, Peter Thomas, B.S.
Fagman, Emanuel Bass, B.S.
Farr, Edith Lettye
Fash, James Cone, B.S.
Feinberg, Kenneth Hirsch
Foster, Lawrence Edmund, B.S.
Frantz, Kieffer Evans, B.S.
Gardner, Leon Philip, B.S.
Gerber, Harold Xen, B.S.
Geyer, Norman Byron, A.B.
Goodson, Samuel Bernard, B.S.
Gordon, Hyman Harry, B.S.
Gossom, Donn Roberts, B.S.
Gregorio, John Theodore
Grimm, Harold Anthony, B.S.

Grossman, Edward Stanley, B.S.
Grossman, William Louis
Groth, Norton Robert, B.S.
Hanks, Thrift Gene, B.S., M.S.
Hart, Florence Eunice, B.S.
Hartman, Melville Daniel, A.B.
Heimstra, Fred Albert, B.S.
Hellman, Jack M.
Herbst, Robert Rudolph
Hofstra, Raymond, A.B.
Hone, Howard Russell, B.S.
Hrejsa, Francis Joseph, B.S.
Hurter, Andrew Jerome
Iler, Rex Leroy, A.B.
Ioriatti, John Baptist, B.S.
Janus, Arthur Israel, B.S.
Joffe, Harold Herman, B.S.
Juska, Aldona Ann, B.S.
Kaplan, Benjamin Barnett, B.S.
Kelly, Delbert Cleo
Klamka, Herman George
Klein, Harold, A.B.
Klein, Louis, B.S.
Klein, Sidney, Ph.G., B.S.
Kligerman, Sidney, B.S.
Kolodny, Sydney Maurice, B.S.
Kondziorski, Raymond Frank, B.S.
Kotin, Paul, B.S.
Kudolla, Charles Rudolph, B.S.
Kunckel, Edward Wickliffe, B.S.
Kuzma, Joseph Francis, B.S.
Lane, Paul Lilja, D.D.S.
Lang, Morris, B.S.
Lerner, Isadore, B.S.
Lerner, Philip, B.S.
Levitin, Lawrence Arnold, B.S.
Levy, Robert
Lombardo, Samuel Sebastian
Lowy, Howard Arthur, Ph.C., B.S.
Lundgren, Edward Steven
Mankowski, Stanley Joseph
Mann, Lawrence Stanley, B.S.
Martin, John Stephen, Ph.G., B.S.
Mason, Coye Carlton, B.S.
McKinney, Delbert Wesley, B.S.
Millis, Jack William, B.S.
Mirro, John Anthony, B.S.
Morton, Chauncey Lee, B.S.
Moseley, George Harley, A.B.
Newman, Carl Robert, B.S.
Niederman, Dorothy Jean, B.S.
Novack, Benjamin Francis, B.S.
Oleck, Adrian Robert
Osher, Seymour Leon
Palermo, Amiel Lewis, Ph.C., B.S.
Pierce, James Donald
Plattner, Edward Bernard, B.S.
Porte, David Morton
Pruszynski, Jerome Casimir
Rapoport, Anita Esterre, B.S.
Rapp, William Elon
Raymon, Wilda Eloise
Reingold, Irving Maynard, B.S.
Rest, David, B.M.E.
Richards, Gordon Laraway, B.S.
Richmond, Julius Benjamin, B.S.
Roane, Robert Dixon, B.S.
Rosanova, Albert R., B.S.
Roseman, Leo Leiff, B.S.
Russell, William Elles, B.S.
Salberg, Arthur Keller
Sazama, Francis Joseph, B.S.
Schick, William Rhinehart
Schiff, Isadore Joseph
Schosser, Milo Hill, B.S.
Schreiber, Adrian Leonard, B.S.
Schreiber, Manuel, B.S.
Schumacher, Edward Emil, B.S.
Schwartz, Louis
Segal, Morey Max
Shaffer, William Thurman, B.S.
Shapiro, Maynard Irwin, B.S.
Shiels, Thomas Victor
Shirer, Benjamin Franklin, Jr., B.S.
Simon, Albert Joseph, B.S.
Simonson, Melvin, B.S.
Snively, Robert Rice
Spierer, Eugene, B.S.
Sprecher, Herman C., B.S.
Stahl, Charles Frederick, B.S.
Strassman, Bernard, B.S.
Sumner, Albert, B.S.
Swensson, Evert Anders, B.S.
Swisher, William Porter, B.S.
Tarre, Harold Israel
Tepper, Leo, B.S.
Turner, Ralph Strong, B.S.
Twente, George Edward, B.S.
Ury, Boris Sergei, B.S.
Van Atta, Roger Alan, B.S.
Varraveto, Anita, B.S.
Walter, Leroy Eugene, B.S.
Webb, Edward Francis
Weir, Homer Fauquier, A.B.
Weisbach, Philip Thomas, Jr., B.S.
Weiskopf, Henry Sol, B.S.
Weiss, Alvin, B.S.
Weissman, Irving, B.S.
Westmark, Carl Elmer
Witthoff, Evelyn Martha, B.S.
Wolf, Glenn Clarence, A.B.
Zeman, Laddie Walter, B.S.
Zimring, William Joseph, B.S.
Zitman, Irving Herman, B.S.

Second-Year Class, 1937-38

Abrams, Herbert Kerman, B.S.
Adams, Vail Burdette
Ajalat, Mitry Peter
Andrews, William Charles
Appel, William
Archer, Lendall Dee
Axelrod, Louis
Bagge, Marguerite Elizabeth
Ballard, George Pratt, B.S.
Barrett, Howard Thomas
Bell, Julius Nathaniel
Bennett, David
Bernet, Henry Scholten, B.S.
Black, Arnold
Blackburn, William Howard, Jr.
Bleier, Robert Seeley
Blustein, Herman
Brazda, Ctimir Silas, D.D.S.
Brophy, Edward John
Brown, Arthur William
Burke, John Vincent
Cavins, Elmer Wallace, B.S.
Chelnek, Irving
Chione, Alfred George
Chobot, George Robert
Cochrane, William Lasselle
Cohen, Harold
Cohlan, Wilbur Randolph
Cohn, Arnold Louis
Cutler, Max Melix
Cutts, Robert Irving, B.S.
Denholm, Agnes, B.S.
Dickson, Frank H., Jr.
Eckberg, Marvin Edward, B.E.
Erwin, John Robert
Ettinger, Ralph Davis, A.B.
Evans, Harvey Aretas
Farnsworth, Samuel Arlington, B.S.
Favus, Leonard Harold
Feinberg, Milton
Fishkin, Martin
Gaines, Nemo Dexter, B.E.
Gaines, Walter
Gecht, Adele, B.M.E.
Goldman, Samuel
Goodman, Daniel Herschold, A.B., M.S.

Goodman, Lawrence Ogden
Gorecki, Ferdinand
Gossard, Foster Ellsworth
Greip, Ernst August
Grippe, William Joseph
Gurskis, Eugenia Eleanor
Hailman, Harold Frank
Heimovitz, Jack S.
Henry, Frank Coleman, A.B.
Hoffman, Charles Wilson, A.B.
Hoss, Glenn Arthur, Jr., B.S., A.B.
Howe, Gertrude Elizabeth, B.S.
Hughes, Edgar O.
Iliff, Grace Celia, A.B.
Jackson, Mildred Ranney, B.S.
Jaruszewski, Edward John, B.S.
Johnson, Grant Trempe
Jones, Robert Richard
Jourdan, Harve William, Jr.
Kagen, Marvin Stanley
Kanter, Lester
Keys, John Allen
Kiersch, Theodore
Kipke, Virginia
Koenig, John William
Koepke, Earl Hilmer
Kolb, Harold Joseph
Kortemeier, Elwood Franklin
Kruger, Sam
LaFata, Francis Paul
Lane, Shirley William
Leavitt, Arnold Harold, A.B.
Lemberg, Louis
Lhotka, Frank Michael
Lindsay, Arthur Manning
Litow, Sidney Samuel
Lobraico, Rocco Vincent, Jr.
Loeffler, Robert William
Lowrey, Robert Davison
Magree, Montie
Malsbury, Charles Wendell, A.B.
Marino, Charles Joseph
Marks, Sidney
Marshall, James William, B.S.
Massie, Lowell E., A.B.
Matzner, Irving Allen
Mau, Walter
McDonald, Audrey Jane, B.S.
McKeever, Lewis Goodell, A.B.
McNeeley, George Bradley, Jr.
Meagher, George Beyer, B.S.
Mosiman, William Dillon
Moskovitz, Jack Arthur
Mosny, Stephen Daniel, Jr.
Mulvill, James Edward, B.S.
Norcross, Pliny
Oberhill, Harold Robert
O'Donnell, Robert Porter
O'Kane, Thomas Walker
Pastron, Seymour Sidney
Pelatowski, Robert William
Perlmutter, Harold Morris
Petty, Richard Albert, A.B.
Policandriotes, Theodore Zane
Pollack, Seymour Lester
Post, George Washington, IV
Pyterek, Arthur Bernard
Rattner, Bernard
Reidell, Eleanore Aleen
Robbins, Joseph Maurice
Rosack, Henry
Rosen, Bernice Shirley
Row, Harry Ralph
Scott, Wendell Paul
Seely, Harmon DeForrest
Shapiro, Arthur Joseph
Sheets, Raymond F., A.B.
Shulruff, Joseph T.
Siegel, Morris
Simons, Morton
Sloan, Herbert Pearl
Snider, Gordon Gaskill
Solomon, James
Spomer, John Paul
Stephen, Robert Joseph, B.S.
Stevens, Theodore Robert
Swan, Lawrence LeRoy
Taylor, Justus Earl, Jr.
Telford, Joe Woodrow
Thielen, Paul Camillus
Thompson, Ernest Look
Tinker, Robert Harold
Torczynski, Gertrude Rita
Visscher, Lois Helena
Waters, Harvey Charles
Webber, Max Edwin
Weiner, Sanford Fred
Weinglass, Albert Robert
Weisberg, William Wiener, A.B.
Weiss, Eugene
Weiss, Manuel Bertrand
White, Harvey
Whitehead, Ira Condict, A.B.
Winer, Jane Ruth
Wloczewski, Joseph Albert, Jr.
Wright, Gilbert Lawrence
Wuestenfeld, Herman Eudell
Wunsch, Lloyd Arnold, A.B.
Yanowitz, Meyer
Yesinick, Louis, B.S.
Zelenik, John Slowko, A.B.
Zeman, Theodore Clarence, Ph.C.
Zimmerman, Nathan
Zweig, Mitchell

First-Year Class, 1937-38

Abrams, Raymond Henry
Adams, Pliny Arnold, B.S.
Albrecht, Armand Dorrance
Arbeiter, Herbert Isadore
Arenstein, Marvin
Axelrod, David
Axelrood, Sylvia Edith, B.S.
Bazzoni, Frank William
Beiser, Helen Ruth, B.S.
Benell, Theodore
Bodnar, Leslie Mathew
Boon, Loren McClellan
Brinton, Edward Smith
Briskin, Harold Louis
Brubaker, Donald Larue
Burhans, Merton Ervin
Burton, Thomas Philip
Butler, William Joseph
Carlson, Elbert Elwood, B.S.
Clark, John Sheldon, Jr.
Clowers, Walter Creel
Cohan, Albert
Cunningham, James Thomas
Davis, Thornton Alexander
DeLong, Oscar Leland
DeRenne, Lawrence
Diamond, Alfred Aron
Donelan, Earl William
Donosky, James Theodore
Dorsey, James Francis
Drake, Charles Francis
Drucker, Arnold Plaine
Ersfeld, John Gates
Farney, William Emmett
Flanagan, James Brierton
Fogelhut, Sam
Fraerman, Samuel Henry
Freeman, Ann Elizabeth, B.M.E., A.M.
Freier, Morton Laurence
Fruehauf, Richard Paul
Gerber, Alex
Ginsberg, Robert
Gittelson, Lloyd Arion
Giunta, Edward James
Goforth, Eugene George
Goldberg, Milton L.

Gomberg, Bernard
Gondek, Frank Richard
Gordon, John Robert
Greeley, Harry Yerkes
Grissom, Robert Leslie
Grosskreutz, Doris Clare
Haas, Joseph Stahl, A.B.
Haedike, William David
Haken, Joy Cleaver, B.S.
Hamilton, Samuel Logan, Jr., B.S.
Hammond, Rex Decker
Hangos, George William
Hardinger, John Daniel
Henegar, George
Hill, Lowell Irvin
Holder, Norton Wieder, A.B., M.S.
Hollender, Marc Hale
Hong, Roy, B.S.
House, Robert Martin
Hrejsa, Allen Charles
Hurie, Robert Erle, B.S.
Joseph, Samuel Richard
Jost, Russel William
Kaderman, Selma
Kahn, Sidney Charles
Kaiser, Wilma Jean
Kaplan, David Samuel
Kaplan, Sidney Joseph
Katz, Seymour Robert
Kiely, William Francis
Klein, Jack, B.S.
Klein, Seymour
Klinghoffer. Max, A.B.
Korngold, Herbert Wolfgang
Krause, Leonard Schomer, B.S.
Lane, Charles Tash, B.S.
Lawson, Robert Clyde, A.B.
Levey, Calvin Irwin
Levinson, Henry Michael
Levy, Russell Harold, B.S.
Lippold, Roland Will
Long, Allen Herbert, A.B.
Lopresti, Philip Joseph
Lyon, Samuel Sidney
Madejczyk, Edward Valentine
Magit, Jack
Marshall, William Pryor
McDonald, Beryl Meta
Merrell, Hosmer Tryon
Miller, Edward Joseph, B.S.
Milroy, Robert Arthur
Moberley, Paul Benton
Modica, Charles Samuel
Morris, Ivor Hugh, Jr.
Mortenson, Leland James
Nelson, George William
Norval, Mildred Ardell, B.S., M.S.
Obenland, Alfred Grant
Oden, Joshua, Jr.
Ohrenstein, Irving Robert
Orrico, Joseph Frank
Padalik, Adolph Joseph, B.S.
Padorr, Marvin Pershing
Parcher, Russell Wilber
Pasquesi, Theodore James
Patterson, Paul Raleigh
Peckler, David Alfred, B.S.
Perkins, Roy Frank
Piotrowski, Walter John
Pizer, Esther Ruth
Reeder, Clifton Lee
Reiter, Joseph
Rinard, Lila Appleton
Roark, Samuel Paul, B.S.
Rodriquez, Arthur Attilio
Rodriquez, Jack
Rosenthal, Carl
Ross, Jasper Newton
Roth, Robert Russell, B.S.
Rubenstein, Laurence Hyman
Rudy, Lester Howard
Sacks, Harold J.
Sansone, Vincent Caesar
Sarkisian, Sarkis Stephan
Schertz, Truman Benjamin
Schwartz, Edward Jacob
Scott, Stephen Caswell
Sears, Adrian Russell Magill
Seltzer, Alvin
Shafer, Sidney John
Sharpe, George
Sheade, Albert
Silbert, Aviva
Silbert, Irving Morris
Skolnik, Emanuel M.
Solomon, Jerome Daniel, B.S.
Spezia, Joseph Louis
Stancik, Georgia Agnes
Stein, Benjamin Frederick
Steinberg, Richard Mitten
Steinman, William
Stokes, Robert Fred
Stone, Herman Hull
Strick, Marvin Harold
Taylor, Lawrence Kimbrough
Tebow, Louis Elliott
Trafton, Harold Forrest
Vaichulis, John Anthony, B.S., M.S.
Waller, George Hugh, Jr.
Waxler, Shirley Sarah
Weinberg, Julius Jakle
Weiss, Leon Herbert
Weissbuch, Mitchel Richard
Williams, Philip Copelain, B.S.
Wolf, Earl George
Zeman, Alvin Allen

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

GRADUATE COURSES IN MEDICINE AND DENTISTRY

DEPARTMENTS

Anatomy; Dental Histology; Dental Therapeutics; Dermatology; Juvenile Behavior; Laryngology, Rhinology, and Otology; Medicine; Neurology and Neurological Surgery; Obstetrics and Gynecology; Ophthalmology; Oral Surgery; Orthodontia; Orthopaedics; Pathology and Bacteriology; Pediatrics; Pharmacology; Physiological Chemistry and Metallurgy; Physiology; Psychiatry; Surgery.

Announcement of
Summer Session of 1938, June 11 to September 10,
and Session of 1938-39

GRADUATE SCHOOL CALENDAR
(CHICAGO)

Summer Session

1938	
June 11 and 13, Saturday and Monday	Registration days.
June 13, Monday	Summer Session begun.
Sept. 10, Saturday	Summer Session ended.

First Semester

Sept. 10, Saturday	Last day for candidates for doctors' degrees in October to deposit theses.
Sept. 12, Monday	Last day for candidates for masters' degrees in October to file applications for degrees and to deposit theses.
Sept. 28-29, Wednesday-Thursday	Registration days.
Nov. 24, Thursday	Thanksgiving Day.
Dec. 24, Saturday, 6 P.M.	Holiday recess begun.
1939	
Jan. 9, Monday, 8 A.M.	Instruction resumed.
Jan. 9, Monday	Last day for filing applications for masters' degrees to be conferred in February.
Jan. 9, Monday	Last day for candidates for doctors' degrees in February to deposit theses.
Jan. 16, Monday	Last day for candidates for masters' degrees in February to deposit theses.

Second Semester

Feb. 8-9, Wednesday-Thursday	Registration days.
Mar. 23, Thursday	Last day for filing applications for masters' degrees to be conferred in June.
April 6, Thursday, 6 P.M.	Easter recess begun.
April 10, Monday, 8 A.M.	Instruction resumed.
May 8, Monday	Last day for candidates for doctors' degrees in June to deposit theses.
May 15, Monday	Last day for candidates for masters' degrees in June to deposit theses.
May 30, Tuesday	Memorial Day.
June 9, Friday	Annual Commencement.

EXECUTIVE FACULTY OF THE GRADUATE SCHOOL[1]

1937-38

Arthur Cutts Willard, B.S., D.Eng., LL.D., *President of the University*

Robert Daniel Carmichael, Ph.D., *Professor of Mathematics and Dean of the Graduate School*
Clarence Arthur Berdahl, Ph.D., *Professor of Political Science*
David John Davis, M.D., Ph.D., *Professor of Pathology and Dean of the College of Medicine*
Reynold Clayton Fuson, Ph.D., *Professor of Organic Chemistry*
Harry Stuart Vedder Jones, Ph.D., *Professor of English*
Simon Litman, Dr.Jr.Pub. et Rer.Cam., *Professor of Economics*
Francis Wheeler Loomis, Ph.D., *Professor of Physics*
Herbert Fisher Moore, M.E., M.M.E., D.Sc., *Research Professor of Engineering Materials*
Glenn Raymond Morrow, Ph.D., *Professor of Philosophy*
William Spence Robertson, Ph.D., *Professor of History*
Worth Huff Rodebush, Ph.D., *Professor of Physical Chemistry*
Henry Perly Rusk, M.S., *Professor of Cattle Husbandry*
Hiram Thompson Scovill, A.B., C.P.A., *Professor of Accountancy*
Raymond Stratton Smith, Ph.D., *Professor of Soil Physics*
Wilbur M. Wilson, M.M.E., C.E., *Research Professor of Structural Engineering*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

David John Davis, M.D., Ph.D., *Chairman*
Frederick Bogue Noyes, A.B., D.D.S., D.Sc.
Hugh Alister McGuigan, Ph.D., M.D.
Robert Wood Keeton, M.S., M.D.
Warren Henry Cole, B.S., M.D.
Otto Frederic Kampmeier, Ph.D., M.D.
William Henry Welker, A.C., Ph.D., *Secretary*

THE TEACHING FACULTY IN MEDICINE AND DENTISTRY[2]

1937-38

David John Davis, M.D., Ph.D., *Dean of the College of Medicine, Professor of Pathology, Head of the Department of Pathology, Bacteriology, and Public Health*
William Henry Welker, A.C., Ph.D., *Professor of Physiological Chemistry and Head of the Department*
Hugh Alister McGuigan, Ph.D., M.D., *Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of the Department*
Otto Frederic Kampmeier, Ph.D., M.D., *Professor of Anatomy and Head of the Department*
Frederick Brown Moorehead, D.D.S., M.D., M.S., *Professor of Oral Surgery and Head of the Department of Oral and Plastic Surgery and Oral Pathology*
William F. Petersen, B.S., M.D., *Professor of Pathology*
Frederick Bogue Noyes, A.B., D.D.S., D.Sc., *Dean of the College of Dentistry, Professor of Orthodontia, and Director of the Children's Clinic*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, consisting of the Dean of the Graduate School, three members elected by the Teaching Faculty, and ten additional members appointed by the President of the University after consultation with the Dean and the elected members.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

OLAF BERGEIM, Ph.D., *Associate Professor of Physiological Chemistry*
ALBERT BACHEM, Ph.D., *Professor of Biophysics*
FREDERICK HOWARD FALLS, M.S., M.D., *Professor of Obstetrics and Gynecology, and Head of the Department*
JULIUS HAYES HESS, M.D., *Professor of Pediatrics and Head of the Department*
FRANCIS EUGENE SENEAR, B.S., M.D., *Professor of Dermatology and Head of the Department*
LLOYD ARNOLD, A.M., M.D., *Professor of Bacteriology and Public Health*
WALTER JOHN RICHARD CAMP, M.D., Ph.D., *Professor of Pharmacology, Materia Medica, and Therapeutics*
PAUL LOUIS SCHROEDER, B.S., M.D., *Professor of Criminology, Social Hygiene, and Medical Jurisprudence, Head of the Department, and Director of the Institute for Juvenile Research*
HAROLD DOUGLAS SINGER, M.D., *Professor of Psychiatry, Head of the Department, and Director of the Psychiatric Institute*
HENRY BASCOM THOMAS, B.S., M.D., *Professor of Orthopaedics, Head of the Department, and Director of the Illinois Surgical Institute for Children*
GEORGE BORIS HASSIN, M.D., *Professor of Neurology*
ANDREW WILSON BROWN, Ph.D., *Associate Professor of Criminology, Social Hygiene, and Medical Jurisprudence*
RICHARD HERMANN JAFFÈ,[1] M.S. M.D., *Professor of Pathology*
ISAAC SCHOUR, D.D.S., Ph.D., *Professor of Histology and Head of the Department*
ROBERT WOOD KEETON, M.S., M.D., *Professor of Medicine and Head of the Department*
ERNST GELLHORN, M.D., Ph.D., *Professor of Physiology and Physiologist in the Department of Psychiatry*
ISADORE PILOT, B.S., M.D., *Associate Professor of Pathology and of Medicine*
HENRY GEORGE PONCHER, B.S., M.D., *Associate Professor of Pediatrics*
MRS. CARROLL LAFLEUR BIRCH, M.S., M.D., *Assistant Professor of Medicine*
ARTHUR GIDEON COLE,[2] Ph.D., *Assistant Professor of Physiological Chemistry*
ERIC OLDBERG, M.D., Ph.D., *Professor of Neurology and Neurological Surgery, and Head of the Department*
GERHARDT VON BONIN, M.D., *Associate Professor of Anatomy*
CHARLES BERNARD PUESTOW, M.D., Ph.D., *Associate Professor of Surgery*
CARLOS ISAAC REED, Ph.D., *Associate Professor of Physiology*
ALLAN GIBSON BRODIE, D.D.S., M.S., *Professor of Orthodontia and Head of the Department*
RUSSELL DORR HERROLD, B.S., M.D., *Associate Professor of Surgery*
GÉZA DE TAKATS, M.D., M.Surg., *Associate Professor of Surgery*
WARREN HENRY COLE, B.S., M.D., *Professor of Surgery and Head of the Department*
ROBERT GEORGE KESEL, D.D.S., M.S., *Assistant Professor of Dental Pathology and Therapeutics, and Acting Head of the Department*
FRANCIS LOEFFLER LEDERER, B.S., M.D., *Professor of Laryngology, Rhinology, and Otology, and Head of the Department*
RICHARD LOCKWOOD WEBB, Ph.D., *Assistant Professor of Anatomy*
GEORGE E. WAKERLIN, Ph.D., M.D., *Professor of Physiology and Head of the Department*
ROBERT LELON LADD, M.S., M.D., *Assistant Professor of Pathology*

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[1] Deceased December 17, 1937.

[2] On leave of absence for six months beginning September 24, 1937.

GRADUATE WORK IN MEDICINE AND DENTISTRY

Admission

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the Department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Medicine and Dentistry. Every applicant must submit with his application for admission an official transcript of his college record.

Registration and Program of Study

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Medical Students and Graduate Study.—If at the beginning of the second semester of his second year a student in the College of Medicine, who has been in residence at least one year, and who has completed all of the required courses of the first three semesters and has maintained an average in all work in Medicine of at least 85%, may be permitted to register for one unit which may count for residence for a master's degree. Only students of excellent record will be allowed this privilege.

Members of the third-year and fourth-year classes in the College of Medicine, who have strong scholastic records, and who have the bachelor's degree, may register for one unit of graduate work per semester, substituting it for one medical course and the electives in the junior year and for the electives in the senior year.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Dean, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigations in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Recorder's Office. If he wishes to withdraw from the University he must get clearance papers at the Recorder's Office.

Master's Degrees

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. Four to five units constitute a normal semester program for the master's degree. A minimum of eight units must be completed for the degree. Only first-rate students are permitted to secure a degree with this minimum program. In some departments special examinations are required of candidates for master's degrees. In all cases the student must satisfy the duly approved conditions set by his major and minor departments.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

Undergraduate courses in Medicine in any department are not accepted as applying toward a graduate degree if the major is in that department.

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. He may not attend more than twelve a week without special permission.

Grades.—Students' work is graded in five classes, A, B, C, D, and E. The last indicates a failure. "D" indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below "B" during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below "B" disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or a minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is desirable for all candidates for the master's degree, and in some lines of study is required. No student will be permitted to acquire residence toward the second year for the doctorate until he has passed the preliminary examination in at least one of these languages.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only, must be secured and the subject of the thesis filed at the office of the Graduate School not later than the beginning of the second half-year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Dean of the Graduate School, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required for a master's degree ordinarily will demand from one to two units of work, and may not exceed three units except by special permission. The thesis must be typewritten, on "thesis paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis. Permission for the publication of the material of a master's thesis should be obtained from the Dean of the Graduate School before such publication is carried out.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

A student who has completed all of the residence and course requirements for the master's degree but who is still working on his thesis is required to register for an additional "Thesis" unit of work during the semester or session in which he expects to present himself for the degree. The incidental fee for such registration is $10.00.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Secretary's office. For the dates of application and deposition of theses, consult the calendar on page 70.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. The other minor (not less than two units) must, in that case, be taken in a department of study other than that of the major.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work.

Period of Study.—The normal *minimum* period of study required for the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence, during a certain period, but for scholarly attainments and power of investigation, as proved by theses and examinations.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 338, Research Laboratory and Library Building.

Examinations in Languages.—The student will be required to demonstrate his ability to read French and German and other languages needed in his work. (In special cases the Executive Faculty, upon recommendation of the student's adviser, may substitute for either one of the languages usually required some other language which can be shown to be more useful in that student's professional research.) No student will be permitted to acquire residence towards the second year of graduate study until he has passed the examination in at least one of these languages. Both the examination in French and that in German must be passed before the student is admitted to the preliminary examination in his major and minor subjects.

Examinations in Major and Minors.—Towards the end of his second year of study, or by special permission, at the beginning of his third year (not later than October 15), a student who wishes to become a candidate for the degree must submit to a preliminary examination. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years of graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time though it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper,* and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of master's and doctor's theses," copies of which may be obtained at the Secretary's office.

The degree of Doctor of Philosophy is conferred only in June, October, and February.

Fees

Except as noted below, graduate students in medicine and dentistry pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer session)	25.00
Students not residents of Illinois pay an incidental fee of	37.50
Incidental fee (semester)	35.00
Students not residents of Illinois pay each semester an incidental fee of	62.50
Late registration fee.—Students who enter the Graduate School after registration day are charged a late registration fee of	5.00
Graduation fee	10.00
For change in study-list	1.00

Laboratory fees are assessed to cover the cost of materials used.

For the graduate course in orthodontia in preparation for the practice of orthodontia as a specialty, the yearly tuition fee is $600, one-third payable at the beginning of the second semester in February, at which time the course opens, one-third in June at the beginning of summer school, one-third in October at the beginning of the first semester.

All persons on University appointment or on appointment in allied surveys and laboratories in Urbana and the research and educational hospitals in Chicago, eligible for admission to University work, also superintendents, principals, and teachers employed in the public school systems of Illinois and teachers and members of the staff in colleges and universities in this state, when admitted to instruction in the Graduate School during the period of their employment, may be permitted to attend University classes for credit, on condition that they register and pay either the regular incidental fees, or, at their election, fees assessed at $10.00 per unit. Persons on University appointment at a salary of $1,600 or less who are registered in the Graduate School are exempt from all fees in courses for graduate credit.

For information concerning the privileges of deferring fees, see page 32 of this circular.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the graduation fee on being recommended for their degrees.

Library

Adequate library facilities are essential to the prosecution of graduate work and research. In the library may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

GRADUATE COURSES IN MEDICINE AND DENTISTRY

ANATOMY

101. *Advanced Anatomy.*—The work may take the direction either of macroscopic or of microscopic anatomy, or of both, according to the student's major problem: in macroscopic anatomy, a detailed redissection of the human body, or any of its parts; in microscopic anatomy (embryology, cytology, histology, etc.), a consideration of morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. (Work in the laboratory for tissue culture in association with Assistant Professor ZECHEL). Course designed for students choosing anatomy as a minor, and for students preparing for individual research in anatomy. One to two units. Professor KAMPMEIER, Associate Professor VON BONIN, Assistant Professor WEBB.
103. *Individual Research.*—In embryology, cytology and histology, neurology, anthropology and biometrics, experimental morphology, functional and applied anatomy. One to three units. Professor KAMPMEIER, Associate Professor VON BONIN, Assistant Professor WEBB.

DENTAL HISTOLOGY

101. *Advanced Dental Histology.*—One or two units. Professor SCHOUR.
102. *Research in Microscopic Anatomy (Teeth and Related Tissues).*—One to three units. Professor SCHOUR.

DENTAL PATHOLOGY AND THERAPEUTICS

101. *Advanced Therapeutics.*—One or two units. Assistant Professor KESEL.
103. *Therapeutic Research.*—One or two units. Assistant Professor KESEL.

DERMATOLOGY

101. *Research in Dermatology.*—One to three units. Professor SENEAR.

JUVENILE BEHAVIOR

101. *Research in Juvenile Behavior.*—One to three units. Professor SCHROEDER.
102. *Advanced Work in Juvenile Behavior.*—One to three units. Professor SCHROEDER.
103. *Special Abilities and Disabilities.*—One or two units. Associate Professor BROWN.
104. *Psychological Tests.*—One or two units. Associate Professor BROWN.
105. *Psychology of Behavior Problems.*—One or two units. Associate Professor BROWN.
106. *Field Work in Criminology.*—One to three units. Professor SCHROEDER.

Training in clinical psychology is provided by courses offered at the Institute for Juvenile Research in Chicago. Students who have pursued requisite graduate courses in the Department of Psychology at Urbana may do part of their work at the Institute for Juvenile Research under the following conditions: The prerequisite to these courses is recommendation by the Department of Psychology and one year of graduate work with a major in psychology, or, in case of especially qualified students who have majored in psychology as undergraduates, one semester of graduate work. The minimum period of attendance at the Institute necessary for the Master of Arts degree is six months; and for the Doctor of Philosophy degree, one academic year. Recommended minors are education and sociology.

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

101. *Research in Laryngology, Rhinology, and Otology.*—One to three units. Professor LEDERER.

MEDICINE

101. *Research in Medicine.*—One to three units. Professor Keeton, Assistant Professor Birch.

NEUROLOGY AND NEUROLOGICAL SURGERY

101. *Research in Neurology.*—One to three units. Professor Hassin.
102. *Research in Neurological Surgery.*—One to three units. Professor Oldberg.

OBSTETRICS AND GYNECOLOGY

101. *Research in Obstetrics and Gynecology.*—One to three units. Professor Falls.

OPHTHALMOLOGY

101. *Research in Ophthalmology.*—One to three units.

ORAL SURGERY

101. *Pathology of Mouth.*—One or two units. Professor Moorehead.
103. *Oral Surgery.*—Two units. Professor Moorehead.

ORTHODONTIA

101. *Orthodontia.*—One to three units. Professors Noyes and Brodie.

ORTHOPAEDICS

101. *Research in Orthopaedics.*—One to four units. Professor Thomas.

PATHOLOGY AND BACTERIOLOGY

101. *Advanced Pathogenesis.*—One to three units. Professors Davis, Petersen, Arnold, and Jaffé, Associate Professor Pilot.
103. *Individual Research.*—One to four units. Professors Davis, Petersen, Arnold, and Jaffé, Associate Professor Pilot.

PEDIATRICS

101. *Research in Pediatrics.*—One to three units. Professor Hess, Associate Professor Poncher.

PHARMACOLOGY

101. *Advanced Pharmacodynamics.*—One to three units. Professors McGuigan and Camp.
103. *Research in Pharmacodynamics.*—One to three units. Professors McGuigan and Camp.

PHYSIOLOGICAL CHEMISTRY AND METALLURGY

101. *Advanced Biological Chemistry.*—Biochemical methods of research, biological colloids, enzyme action, and metabolism. One or two units. Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.
102. *Metallurgical Research.*—One or two units. Professor Welker.
103. *Biochemical Research.*—One or two units. Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.

PHYSIOLOGY

101. *Research in Physiology.*—One to three units. Professors Wakerlin and Gellhorn, Associate Professor Reed.

102. *Research in Biophysics.*—One to three units. Professor BACHEM.
103. *Seminar in Selected Fields.*—One unit. Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED.
104. *Current Literature Seminar.*—One-half unit. Required of all graduate students in physiology. Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED.

PSYCHIATRY

101. *Research in Psychiatry.*—One to three units. Professor SINGER.

SURGERY

101. *Research in Surgery.*—One to three units. Professor COLE, Associate Professors HERROLD, DE TAKATS, and PUESTOW.

GRADUATE SCHOOL DEGREES CONFERRED, 1937

Degree of Doctor of Philosophy

Conferred in February, 1937

IN BACTERIOLOGY

EMIL WEISS, M.D., University of Prague, 1919. The complete fixation test in tuberculosis.

Conferred in June, 1937

IN BACTERIOLOGY

NELL HIRSCHBERG, A.B., Smith College, 1928; A.M., University of Colorado, 1933. The effect of human tissue juices on tubercle bacilli.

HERBERT ELI MCDANIELS, B.S., University of Chicago, 1925; M.S., 1932. Appraisal of public health work in Oak Park, Illinois.

IN PHYSIOLOGICAL CHEMISTRY

FRANCES AGNES BRIGGS, B.S., 1926; M.S., Tulane University, 1928. The effect of the intravenous injection of crystallized egg albumin on the excretion of the antigin and the blood proteins in the urine.

HELEN WOODWARD WADE, B.S., Washington University, 1926; M.S., Iowa State College, 1929. Creatine and creatinine excretion in myotonia congenita.

Degree of Master of Arts

Conferred in October, 1937

IN PSYCHOLOGY

ROBERTA PARKINSON FOSTER, A.B., Wellesley College, 1935
MILTON LAMBERT PHILLIPS, A.B., Stanford University, 1936

Degree of Master of Science

Conferred in February, 1937

IN BACTERIOLOGY

WALTER RICHARD HESS, B.S., University of Nebraska, 1927

IN ORTHODONTIA

JOHN MONROE SPENCE, B.S., 1933

IN PHYSIOLOGY

MURIEL EUNICE LESSER, B.S., University of Chicago, 1932

IN SURGERY

WILLIAM PHILIP KLEITSCH, B.S., 1934
WALTER SHRINER, B.S., 1935

Conferred in June, 1937

IN BACTERIOLOGY

FRANCES MARIE JACOBSON, B.S., 1933
MYRON JAME LEVIN, B.S., 1935
DOROTHY KATHRYN O'CONNOR, A.B., B.S., 1933, 1935
EDWARD ERNEST VICHER, B.S., 1935

IN MEDICINE

THRIFT GENE HANKS, B.S., 1936

IN OBSTETRICS AND GYNECOLOGY

GEORGE HENRY REZEK, A.B., M.D., 1928, 1933

IN PATHOLOGY

LOUIS OLSMAN, B.S., 1935

IN PHYSIOLOGICAL CHEMISTRY

NORTON WIEDER HOLDER, A.B., Western Reserve University, 1935

Conferred in October, 1937

IN OBSTETRICS AND GYNECOLOGY

DAVID WASSERMANN, B.S., 1935

IN PATHOLOGY

ABRAHAM IZZAK JACKMAN, B.S., 1935

IN PEDIATRICS

BENJAMIN MORRIS GASUL, B.S., University of Wisconsin, 1922; M.D., Rush Medical College, 1925

IN SURGERY

JOHN TALBOT GERNON, B.S., M.D., 1927, 1929
ROBERT EARL REAGAN, B.S., M.D., 1928, 1930

GRADUATE STUDENTS IN MEDICINE AND DENTISTRY

1937-38

EXPLANATION.—"S" indicates attendance during the Summer Session; "I," during the First Semester; "II," during the Second Semester. Degrees are from the University of Illinois unless otherwise noted.

Abrams, Herbert Kerman, Chicago.—Pathology (II.)—B.S., Northwestern University, 1936.
Adams, James William, East Cleveland, Ohio.—Orthodontia (II.)—D.D.S., Ohio State University, 1936.
Alban, Arthur Louis, Chicago.—Oral Surgery (II.)—D.D.S., 1932.
Andrews, William Charles, Chicago.—Bacteriology (II.)
Angela, Frances, Chicago.—Bacteriology (S.II.)—B.S., Michigan State College, 1924.
Axelrood, Sylvia Edith, Chicago.—Physiological Chemistry (I.II.)—B.S., Northwestern University, 1937.
Barber, Elsa Hortense Romyn, Wasco.—Psychology (I.)—A.B., University of South Africa, 1921.
Bartoli, Adolph, Jr., LaSalle.—Physiology (S.II.)—B.S., 1937.
Bedinger, Paul Lincoln, Danville.—Medicine (S.I.II.)—A.B., B.S., M.D., 1931, 1934, 1935.
Berg, Max, Chicago.—Pathology (II.)—B.S., M.S., M.D., 1932, 1934, 1935.

Berman, David, Chicago.—Dental Pathology and Therapeutics (I.II.)—B.S., D.D.S., 1934, 1935.

Berman, Julius, Chicago.—Dental Pathology and Therapeutics (S.)—B.S., D.D.S., 1934, 1936.

Bernet, Henry Scholten, Springfield.—Medicine (II.)—B.S., 1935.

Black, Arnold, Chicago.—Bacteriology (II.)

Blackerby, Philip Earle, Jr., Louisville, Kentucky.—Dental Pathology and Therapeutics (S.)—A.B., D.D.S., University of Louisville, 1930, 1933.

Blatchley, Robert Parsons, Joliet.—Physiological Chemistry (I.II.)—B.S., 1937.

Blaurock, Melvin Frank Otto, Oak Park.—Psychiatry (S.I.II.)—B.S., M.D., 1934, 1935.

Bonnell, Ellis, Harrisburg.—Juvenile Behavior (S.I.)—B.S., M.D., 1933, 1934.

Bookshester, David Abraham, Chicago.—Bacteriology (I.)—B.S., 1935.

Boros, Harold Henry, Chicago.—Anatomy (I.)—B.S., Northwestern University, 1931; B.M., M.D., 1936, 1937.

Brebis, George Joseph, Cicero. — Medicine (S.I.II.)—B.S., 1937.

Brooks, Jack E., Chicago.—Psychiatry (II.)—B.S., 1936.

Brown, Mary Louise, Chicago.—Bacteriology (S.I.II.)—A.B., 1935.

Burroughs, Charles Elson, Oak Park.—Orthodontia (S.I.) — D.D.S., University of Maryland, 1934.

Carstens, Herman Paul, Chicago.—Physiology (I.II.)—B.S., University of Chicago, 1932.

Chobot, George Robert, Chicago.—Physiology (II.)

Cohn, Arnold Louis, Chicago. — Physiology (II.)

Cohn, Theodore, Chicago. — Bacteriology (I.II.)—B.S., University of Chicago, 1937.

Corbus, Budd Clarke, Jr., Evanston.—Pathology (S.I.II.)—A.B., University of Wisconsin, 1929; B.M., M.D., Louisiana State University, 1936, 1937.

Cornbleet, Theodore, Chicago.—Dermatology (I.)—B.S., St. Louis University, 1921; M.D., St. Louis University, 1923; M.S., 1931.

Cumming, Thomas Stuart, Gardner.—Pathology (S.II.)—B.S., 1937.

Darling, Ralph Philip, Waterman.—Psychology (I.II.)—A.B., A.M., 1932, 1933.

Decker, Sam, Chicago.—Bacteriology (II.)—B.S., University of Chicago, 1936.

Domm, Sheldon Edward, Naperville.—Physiology (S.)—A.B., North Central College, 1934; A.M., 1935.

Dworin, Jack Walter, Chicago.—Pathology (I.II.)—B.S., 1937.

Ehrlich, Jack, Chicago.—Orthodontia (S.I.)—B.S., D.D.S., 1934, 1936.

Ehrlich, Joseph Charles, Chicago.—Medicine (I.)—B.S., Northwestern University, 1930; M.D., Rush Medical College, 1935.

Ehrlich, Norman James, Chicago.—Physiological Chemistry (I.II.)—B.S., 1937.

Elam, John Wesley, Jr., Chicago.—Bacteriology (I.II.)—B.S., Lewis Institute, 1934; B.S., 1937.

Elman, Earl S., Chicago.—Orthodontia (II.)—D.D.S., Northwestern University, 1937.

Esposito, Peter Thomas, Chicago.—Physiology (II.)—B.S., 1937.

Fabian, Frank Carl, Chicago.—Oral Surgery (II.)—D.D.S., 1932.

Feinberg, Milton, Chicago.—Medicine (II.)

Ferguson, Ralph LeRoy, Elmhurst.—Pathology (I.)—B.S., Kansas State Teachers College of Pittsburg, 1925; M.S., Pennsylvania State College, 1928; M.D., University of Arkansas, 1935.

Field, Frederick William, Monmouth.—Dental Histology (II.)—B.S., Monmouth College, 1935.

Foster, Roberta Parkinson, Mt. Carmel.—Psychology (S.)—A.B., Wellesley College, 1935; A.M., 1937.

Fuerstner, Paul Goldschmidt, Chicago.—Pathology (S.)—M.D., University of Freiburg, 1937.

Gaines, Walter, Chicago.—Physiology (II.)

Gant, Virgil Arnett, Lebanon.—Pharmacology (S.I.II.)—B.S., M.S., 1921, 1932.

Gasul, Benjamin Morris, Chicago.—Pediatrics (S.)—B.S., University of Wisconsin, 1922; M.D., Rush Medical College, 1925; M.S., 1937.

Gecht, Adele, Chicago.—Physiology (II.)—B.M.E., Northwestern University, 1933.

Gelfand, Leonard, Chicago.—Dental Histology (I.)—B.S., D.D.S., 1933, 1935.

Gerber, Harold Xen, Chicago.—Physiological Chemistry (S.I.II.)—B.S., 1937.

Gernon, John Talbot, Chicago. — Surgery (I.II.)—B.S., M.D., M.S., 1927, 1929, 1937.

Glassman, Jacob Abraham, Chicago.—Anatomy (I.II.)—B.S., M.D., 1933, 1936.

Glickman, Nathaniel, Chicago.—Physiology (S.II.)—B.S., University of Chicago, 1934; M.S., 1936

Goodman, Daniel Herschold, Galesburg.—Physiological Chemistry (II.) — A.B., Brooklyn College, 1935; M.S., 1936.

Goodman, Louis, Chicago.—Pathology (I.)—M.D., Temple University, 1934.

Gordon, Hyman Harry, Chicago.—Pathology (II.)—B.S., 1937.

Gowen, G. Howard, Chicago.—Bacteriology (S.)—B.S., M.D., Northwestern University, 1926; M.S., Ph.D., 1933, 1937.

Griep, Ernst August, Quincy.—Pharmacology (II.)

Grimes, Clyde Don, Gurnee.—Pharmacology (II.)—A.B., University of Wichita, 1934.

Grimmer, Everett Arthur, Chicago.—Dental Histology (I.)—D.D.S., Northwestern University, 1929.

Grunwald, Marshall Frederick, Chicago.—Dental Pathology and Therapeutics (S.I.II.)—B.S., D.D.S., 1933, 1935.

Hailman, Harold Frank, Chicago.—Medicine (II.)

Hansen, Clarence Wyland, Chicago.—Dental Pathology and Therapeutics (II.)—D.D.S., 1929.

Harris, Daniel William, Chicago.—Juvenile Behavior (I.)—B.S., 1935.

Harrison, Donald James, Spokane, Washington.—Orthodontia (II.)—D.D.S., Marquette University, 1934.

Hart, Florence Eunice, Oak Park.—Bacteriology (S.)—B.S., 1937.

Harvey, Cecil Claude, Chicago.—Physiological Chemistry (S.I.II.)—B.S., University of Louisville, 1929; M.S., University of Chicago, 1931.

Heath, Arthur Edwin, Downers Grove.—Bacteriology (S.I.II.)—B.S., 1932.

Heimovitz, Jack S., Chicago.—Medicine (II.)

Heimstra, Fred Albert, Blue Island.—Pathology (S.)—B.S., 1937.

Helfrich, Loring Smith, Bushnell.—Pharmacology (I.II.)—B.S., Knox College, 1932.

Herzberg, Fred, Chicago.—Dental Histology (II.)—B.S., D.D.S., Northwestern University, 1932.

Hess, Walter Richard, Chicago.—Bacteriology (II.)—B.S., M.S., University of Nebraska, 1927, 1937.

Hibbert, George Fielding, Chicago.—Obstetrics and Gynecology (S.I.II.)—B.S., University of Chicago, 1918; M.D., Rush Medical College, 1921.

Hill, Harold Herrin, Oak Park.—Obstetrics and Gynecology (II.)—B.S., M.D., 1926, 1929.

Hinman, Glidden, Winnetka.—Bacteriology (I.II.)—A.B., 1905.

Hlavacek, Louis Joseph, Chicago.—Pathology (I.II.)—B.S., Lewis Istitute, 1930.

Hoffman, Murray Mitchell, Chicago.—Dental Histology (I.II.)—B.S., D.D.S., 1935, 1937.

Holder, Norton Wieder, Chicago.—Physiological Chemistry (I.II.)—A.B., Western Reserve University, 1935; M.S., 1937.

Hong, Roy, Chicago.—Physiological Chemistry (I.II.)—B.S., 1937.

Howe, Gertrude Elizabeth, Chicago.—Medicine (II.)—B.S., University of Chicago, 1936.

Hughes, Edgar O., Champaign.—Physiology (II.)

Ireneus, Carl, Jr., Chicago.—Surgery (I.II.) —B.S., M.D., 1933, 1936.

Jackman, Abraham Izzak, Chicago.—Pathology (S.)—B.S., M.S., 1935, 1937.

Jackson, Dewey DeWitt, Wheaton.—Dental Histology (I.)—B.S., D.D.S., 1934, 1936.

Jackson, Mildred Ranney, Monmouth.—Bacteriology (II.)—B.S., Monmouth College, 1936.

Jaruszewski, Edward John, Chicago.—Pharmacology (II.)—B.S., 1936.

Jensik, Robert Joseph, Berwyn.—Medicine (S.I.II.)—B.S., 1936.

Joffe, Herman, Chicago.—Surgery (S.I.II.)—B.S., 1936.

Jones, Emily Reynolds, Oreana.—Bacteriology (S.I.II.)—B.S., M.S., 1936, 1937.

Jourdan, Harve William, Jr., Newton.—Medicine (II.)

Kanter, Lester, Chicago.—Pediatrics (II.)

Kaplan, Maurice, Chicago.—Psychiatry (S.I.II.)—B.S., M.D., 1932, 1935.

King, Elmer Guenther, Chicago.—Pharmacology (S.I.II.)—B.S., M.S., 1936, 1937.

Kipke, Virginia, Chicago.—Bacteriology (II.)

Kirch, Ernst Rudolf, Chicago.—Physiological Chemistry (S.I.II.)—Ph.C., 1928; B.S., Loyola University, 1931; M.S., University of Chicago, 1934.

Klein, Arthur Deo, Jr., Gillespie.—Physiology (II.)—B.S., 1936.

Klein, Harold, Chicago.—Physiological Chemistry (I.II.)—A.B., New York University, 1936.

Klein, Max Edward, Chicago.—Dermatology (I.)—B.S., 1937.

Krause, Leonard Schomer, Chicago.—Psychology (S.)—B.S., 1936.

Kruger, Sam, Chicago.—Neurology (II.)

Lakin, Herbert Sol, Chicago.—Physiological Chemistry (I.)—B.S., 1933.

Lambert, Claude Needham, Chicago.—Orthopaedics (I.)—A.B., University of Utah, 1924; M.D., University of Chicago, 1928.

Lambert, Edward Howard, Berwyn.—Physiology (S.I.II.)—B.S., 1936.

Lichtenstein, Ben William, Chicago.—Neurology (S.I.)—B.S., M.D., M.S., 1930, 1933, 1936.

Limarzi, Louis Robert, Chicago.—Medicine (I.)—B.S., M.D., M.S., 1928, 1931, 1937.

Litwiller, Otto Bryan, Hopedale.—Oral Surgery (II.)—B.S., D.D.S., 1928.

Madison, Ruth Virginia, Chicago.—Physiological Chemistry (I.II.)—B.S., 1937.

Maher, Frank Thomas, Beardstown.—Pharmacology (I.II.)—B.S., 1937.

Mann, Lawrence Stanley, Chicago.—Physiological Chemistry (S.II.)—B.S., 1937.

Marks, Sidney, Chicago.—Physiology (II.)

Martin, John Stephen, Oak Park.—Pediatrics (S.I.II.)—Ph.G., B.S., 1926, 1937.

Mason, Herman Charles, Chicago.—Bacteriology (I.II.)—B.S., University of Chicago, 1932; M.S., 1936.

McGuigan, Robert Alister, Evanston.—Medicine (S.I.II.)—B.S., Northwestern University, 1932; M.D., McGill University, 1937.

McKeever, Lewis Goodell, Gibson City.—Physiology (S.II.)—A.B., Illinois Wesleyan University, 1935.

Mehlman, Jerome Saul, Chicago.—Pathology (S.)—A.B., Western Reserve University, 1933.

Meyer, Esther, Chicago.—Bacteriology (II.) —Ph.G., 1924; B.S., University of Michigan, 1930; M.S., 1933.

Miller, Herbert Samuel, Chicago.—Psychiatry (II.)—B.S., 1936.

Mixter, Russell, Wheaton.—Anatomy (S.)—A.B., Wheaton College, 1928; M.S., Michigan State College, 1930.

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Mosko, Milton Mitchell, Chicago.—Physiological Chemistry (II.)—B.S., M.D., 1930, 1933.

Muenning, Louise, Chicago.—Bacteriology (I.)—B.S., 1936.

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Okner, Janet Diane, Chicago.—Juvenile Behavior (I.)—A.B., University of Chicago, 1937.

Olson, Stanley William, Rockford.—Medicine (S.I.II.)—B.S., Wheaton College, 1934.

Osgood, Bessie Genevieve, Milford.—Physiological Chemistry (I.II.)—A.B., B.S., Indiana Central College, 1932, 1933.

Passarelli, Edwin William, Chicago.—Medicine (S.)—B.S., M.D., Georgetown University, 1930, 1932.

Patras, Mary Cornelia, Chicago.—Physiology (II.)—B.S., M.D., Loyola University, 1932, 1935.

Pearlman, Maurice David, Chicago.—Medicine (S.I.II.)—B.S., 1936.

Peltzer, Wesley Eugene, Oak Park.—Pathology (II.)—B.S., 1937.

Penruddocke, Elizabeth Heathcote, Chicago. —Bacteriology (I.II.)—A.B., University of Alabama, 1928.

Perce, Frances Crandell, Oak Park.—Juvenile Behavior (I.)—A.B., Smith College, 1928; M.S., 1937.

Perlmutter, Harold Morris, Chicago.—Medicine (II.)

Peters, Clifford Henry, Belvidere.—Pathology (II.)—B.S., 1937.

Phillips, Milton Lambert, Chicago.—Psychology (S.)—A.B., Stanford University, 1936; A.M., 1937.

Plater, Wade Richard, Evanston.—Orthodontia (S.I.)—D.D.S., 1924.

Plattner, Edward Bernard, East St. Louis.—Physiology (I.II.)—B.S., 1937.

Pollack, Seymour Lester, Chicago.—Physiological Chemistry (II.)

Prohovnik, Julius, Chicago.—Anatomy (II.) —B.S., Loyola University, 1926; M.D., 1929.

Rapoport, Anita Esther, Chicago.—Bacteriology (I.II.)—B.S., Lewis Institute, 1934.

Reagan, Robert Earl, Benton Harbor, Michigan.—Surgery (S.)—B.S., M.D., M.S., 1928, 1930, 1937.

Rest, David, Chicago.—Neurology (I.II.)—B.M.E., Northwestern University, 1931.

Rheingold, Joseph Cyrus, Chicago.—Psychiatry (I.II.)—B.S., M.S., M.D., 1927, 1930, 1930.

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Riser, Roy Otis, Chicago.—Ophthalmology (I.II.)—B.S., M.D., 1928, 1931.
Roark, Samuel Paul, Bushnell.—Physiological Chemistry (I.)—B.S., University of Notre Dame, 1937.
Rogowski, Edward Casimir, Chicago.—Pharmacology (II.)—B.S., 1936.
Rossiter, Lewis James, Mattoon.—Surgery (I.II.)—A.B., 1935.
Sachs, Mandel, Cicero.—Psychiatry (I.II.)—M.D., 1936.
Samors, Josef Joel, Chicago.—Oral Surgery (S.I.)—D.D.S., 1927.
Schleicher, Emil Maro, Chicago.—Medicine (I.II.)—A.B., Wayne University, 1935.
Scuderi, Carlo Salvadore, Chicago.—Surgery (S.I.II.)—B.S., M.D., M.S., 1926, 1929, 1935.
Seron, Suren Manoog, Joliet.—Oral Surgery (I.II.)—B.S., D.D.S., 1930, 1932.
Shapiro, Arthur Joseph, Chicago.—Surgery (II.)
Sharpe, Kenneth Palmer, Chicago.—Dental Pathology and Therapeutics (I.)—B.S., D.D.S., 1934, 1936.
Shirer, Benjamin Franklin, Jr., Peoria.—Neurology (II.)—B.S., 1937.
Shulruff, Joseph T., Chicago.—Surgery (II.)
Simon, Albert Joseph, Geneva.—Physiological Chemistry (I.II.)—B.S., 1937.
Singer, Winifred Mildred, Chicago.—Bacteriology (II.)—A.B., University of Southern California, 1936.
Skorodin, Bernard, Chicago.—Psychiatry (I.II.)—B.S., M.D., 1930, 1931.
Slaughter, Danely Philip, Chicago.—Surgery (II.)—B.S., M.D., 1933, 1936.
Snyder, Roy Kenneth, Chicago.—Pharmacology (S.I.II.)—B.S., M.S., 1929, 1934.
Sonenthal, Israel Ronald, Chicago.—Psychiatry (S.I.II.)—B.S., M.D., Northwestern University, 1932, 1935.
Spellberg, Mitchell A., Chicago.—Medicine (S.I.II.)—B.S., M.D., Loyola University, 1932, 1934.
Steck, Irving Elihu, Chicago.—Physiology (I.II.)—B.S., M.S., M.D., 1930, 1932, 1933.
Steigmann, Frederick, Chicago.—Pharmacology (S.I.II.)—B.S., M.D., 1928, 1930.
Stephan, Robert Marshall, Oak Park.—Physiological Chemistry (I.II.)—D.D.S., M.S., 1932, 1934.
Stubenrauch, Charles Henry, Jr., Havana.—Pediatrics (I.II.)—B.S., 1936.
Templeton, Roy DuPont, Elmhurst.—Pathology (I.II.)—B.S., University of Chicago, 1923.
Thorek, Philip, Chicago.—Surgery (I.)—B.S., M.D., 1928, 1931.
Ury, Boris Sergei, Chicago.—Neurology and Neurological Surgery (S.I.II.) — B.S., University of Chicago, 1935.
Vaichulis, John Anthony, Chicago.—Pathology (I.II.)—B.S., University of Notre Dame, 1929; M.S., 1935.
Vicher, Edward Ernest, Berwyn.—Bacteriology (I.II.)—B.S., M.S., 1935, 1937.
Visscher, Lois Helena, Evanston.—Physiology (II.)
Wach, Edward Charles, Chicago.—Physiological Chemistry (I.II.)—Ph.G., D.D.S., 1907, 1923.
Wade, Chester, Chicago.—Psychiatry (II.)—B.S., M.S., M.D., 1934, 1936, 1937.
Wall, Harry Charles, Chicago.—Medicine (II.)—M.D., Rush Medical College, 1937.
Walter, Leroy Eugene, Chicago.—Physiological Chemistry (II.)
Wassermann, David, Chicago.—Obstetrics and Gynecology (S.)—B.S., B.M., M.S., 1935, 1937, 1937.
Weber, Richard Denis, Chicago.—Medicine (I.)—M.D., Northwestern University, 1937.
Weichselbaum, Paul K., Chicago.—Physiological Chemistry (S.I.II.)—B.S., 1935.
Weinberg, Benjamin Abra, Chicago.—Surgery (II.)—B.S., 1936.
Weinglass, Albert Robert, Chicago.—Physiology (II.)
Weinstein, Roy Cyril, Chicago.—Physiology (I.II.)—B.S., 1936.
Weir, Homer Fauquier, Decatur.—Pediatrics (S.I.II.)—A.B., 1935.
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Weiss, Eugene, Chicago.—Bacteriology (II.)
White, Harvey, Chicago.—Physiology (II.)
Whitted, Vera Grace, Gilman. — Education (II.)—A.B., 1935.
Wienman, George Joseph, Dixon.—Anatomy (II.)—B.S., 1936.
Winer, Jane Ruth, Chicago.—Pathology (II.)
Wittert, Victor, Chicago.—Oral Surgery (II.)—B.S., D.D.S., 1932, 1934.
Wolf, Glenn Clarence, Naperville.—Bacteriology (S.I.II.)—A.B., 1936.
Wolff, John Robert, Chicago.—Obstetrics and Gynecology (S.I.II.)—M.D., Northwestern University, 1931.
Yesinick, Louis, Chicago.—Physiology (S.II.)—B.S., University of Chicago, 1936.
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COLLEGE OF MEDICINE

CALENDAR

First Semester

1939	
Sept. 11-16, Monday-Saturday	Second-year comprehensive examinations.
Sept. 18-23, Monday-Saturday	Special examinations.
Sept. 25, Monday, 8 A.M. to 5 P.M.	Registration and payment of fees.
Sept. 26, Tuesday, 8 A.M.	Instruction begins.
Nov. 30, Thursday	Thanksgiving Day.
Dec. 16, Saturday, 5 P.M.	Holiday recess begins.
1940	
Jan. 2, Tuesday, 8 A.M.	Holiday recess ends.
Jan. 29-Feb. 3, Monday-Saturday	Semester examinations.

Second Semester

Feb. 5, Monday, 8 A.M. to 5 P.M.	Registration and payment of fees.
Feb. 6, Tuesday, 8 A.M.	Instruction begins.
March 21, Thursday, 6 P.M.	Easter recess begins.
March 25, Monday, 8 A.M.	Easter recess ends.
May 11, Saturday	Last meeting of second-year classes.
May 20-25, Monday-Saturday	Second-year and fourth-year comprehensive examinations.
May 27-June 1, Monday-Saturday	First-year and third-year final examinations.
May 30, Thursday	Memorial Day.
June 6, Thursday	Class day and alumni meeting.
June 7, Friday	Commencement exercises.

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1938-1939

(For alphabetic index, see page 16)

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Lloyd Arnold, A.M., M.D., *Professor of Bacteriology and Public Health*
Henry Eugene Irish, M.D., *Professor of Pediatrics*
Maurice Lamm Blatt, M.D., D.Sc., *Professor of Pediatrics*
George de Tarnowsky, M.D., *Professor of Surgery*
Ephraim Kirkpatrick Findlay, M.D., C.M., *Professor of Ophthalmology*
Paul Louis Schroeder, B.S., M.D., *Professor of Criminology, Social Hygiene, and Medical Jurisprudence, Head of the Department, and Director of the Institute for Juvenile Research*
Bernard Fantus, M.S., M.D., *Professor of Therapeutics*
Ernst Gellhorn, M.D., Ph.D., *Professor of Physiology and Physiologist in the Department of Psychiatry*
Francis Loeffler Lederer, B.S., M.D., *Professor of Laryngology, Rhinology, and Otology, and Head of the Department*
Eric Oldberg, M.D., Ph.D., *Professor of Neurology and Neurological Surgery, and Head of the Department*
Walter John Richard Camp, M.D., Ph.D., *Professor of Pharmacology, Materia Medica, and Therapeutics*

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[1] Deceased March 20, 1939.

WARREN HENRY COLE, B.S., M.D., *Professor of Surgery, and Head of the Department*
GEORGE E. WAKERLIN, Ph.D., M.D., *Professor of Physiology and Head of the Department*
LEROY HENDRICK SLOAN, B.S., M.D., *Professor of Medicine*

ASSOCIATE PROFESSORS

JOSEPH CLAR BECK, M.D., *Associate Professor of Laryngology, Rhinology, and Otology,* Emeritus
FRANK CHAUVET, M.D., *Associate Professor of Medicine*
ERNEST SISSON MOORE, Ph.B., M.D., *Associate Professor of Medicine,* Emeritus
OLAF BERGEIM, Ph.D., *Associate Professor of Physiological Chemistry*
HALLARD BEARD, B.S., M.D., *Associate Professor of Ophthalmology*
JACOB MEYER, M.S., M.D., *Associate Professor of Medicine*
ISADORE PILOT, B.S., M.D., *Associate Professor of Medicine and of Pathology*
BENJAMIN GOLDBERG, M.D., *Associate Professor of Medicine*
GEORGE WASHINGTON POST, JR., A.M., M.D., *Associate Professor of Surgery*
ANDREW WILSON BROWN, Ph.D., *Associate Professor of Criminology, Social Hygiene, and Medical Jurisprudence, and Associate Professor of Psychology*
ELLIS BENJAMIN FREILICH, M.D., *Associate Professor of Medicine*
VINCENT JOHN O'CONOR, B.S., M.D., *Associate Professor of Urology*
SAMUEL PERLSTEIN, M.D., *Associate Professor of Medicine*
SAMUEL AZOR LEVINSON, M.S., M.D., *Associate Professor of Pathology, Assistant Professor of Medicine, and Director of the Hospital Laboratory*
OSCAR EUGENE NADEAU, B.S., M.D., *Associate Professor of Surgery*
ALEXANDER JOHN NEDZEL, M.D., M.S., *Associate Professor of Pathology, Bacteriology, and Public Health*
OTTO SAPHIR, M.D., *Associate Professor of Pathology*
ARNOLD ALBERT ZIMMERMANN, D.Sc., *Associate Professor of Anatomy*
MAX SAMUEL WIEN, B.S., M.D., *Associate Professor of Dermatology*
ROLAND PARKS MACKAY, A.B., M.D., *Associate Professor of Neurology and Neurological Surgery*
GEORGE JOSEPH MOHR, B.S., M.D., *Associate Professor of Criminology, Social Hygiene, and Medical Jurisprudence*
ARRIE BAMBERGER, B.S., M.D., *Associate Professor of Surgery*
ARTHUR REUBEN COOPER, Ph.D., M.D., *Associate Professor of Anatomy*
RUSSELL DORR HERROLD, B.S., M.D., *Associate Professor of Surgery*
THOMAS SMITH JONES, B.F.A., *Associate Professor of Medical and Dental Illustration*
JOHN DOUGLAS KOUCKY, M.S., M.D., *Associate Professor of Surgery*
FRANK B. LUSK, A.M., M.D., *Associate Professor of Medicine*
SELIM WALKER MCARTHUR, Ph.B., M.D., *Associate Professor of Surgery*
ROBERT BRUCE MALCOLM, M.S., M.D., *Associate Professor of Surgery*
HENRY GEORGE PONCHER, B.S., M.D., *Associate Professor of Pediatrics*
CARLOS ISAAC REED, Ph.D., *Associate Professor of Physiology*
LINDON SEED, M.S., M.D., *Associate Professor of Surgery*
GERHARDT VON BONIN, M.D., *Associate Professor of Anatomy*
GÉZA DE TAKATS, M.D., M.Surg., *Associate Professor of Surgery*
EDMUND FOLEY, B.S., M.D., *Associate Professor of Medicine*
CHARLES BERNARD PUESTOW, M.D., Ph.D., *Associate Professor of Surgery*
WILLARD VAN HAZEL, A.B., M.D., *Associate Professor of Surgery*
FRANZ GABRIEL ALEXANDER, A.B., M.D., *Associate Professor of Psychiatry*
FRANK JOSEPH JIRKA, M.D., *Associate Professor of Surgery*
BENGT LEOPOLD KNUTSSON HAMILTON,[1] M.D., *Associate Professor of Pediatrics*

ASSISTANT PROFESSORS

JOHN MICHAEL LANG, M.D., *Assistant Professor of Obstetrics and Gynecology*
LESTER EDWARD BOWER, A.B., M.D., *Assistant Professor of Pediatrics*
ISADORE BERNHARD DIAMOND, M.D., *Assistant Professor of Neurology*
WALTER CHARLES HAMMOND, M.D., *Assistant Professor of Obstetrics and Gynecology*
FRANK LEE STONE, M.D., *Assistant Professor of Obstetrics and Gynecology*

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[1] Beginning January 5, 1939.

FRANKLIN SAMUEL WILSON, Ph.G., M.D., *Assistant Professor of Medicine*
JOSEPH KAISER CALVIN, B.S., M.D., *Assistant Professor of Pediatrics*
JOHN BAPTIST CIPRIANI, M.D., *Assistant Professor of Medicine*
ABRAHAM FAE LASH, M.D., Ph.D., *Assistant Professor of Obstetrics and Gynecology*
DUANE WILLARD PROPST, A.B., B.S., M.D., *Assistant Professor of Medicine*
PHILIP ROSENBLUM, M.D., *Assistant Professor of Pediatrics*
ALBERT VANDER KLOOT, M.D., *Assistant Professor of Medicine*
DAVID MORTIMER OLKON, A.M., M.D., *Assistant Professor of Psychiatry and of Neurology and Neurological Surgery*
FRANK GEORGE MURPHY, B S., M.D., *Assistant Professor of Orthopaedics*
MRS. CARROLL LA FLEUR BIRCH, M.S., M.D., *Assistant Professor of Medicine*
WILLIAM HARCOURT BROWNE, B.S., M.D., *Assistant Professor of Obstetrics and Gynecology*
ARTHUR GIDEON COLE, Ph.D., *Assistant Professor of Physiological Chemistry*
RALPH AUGUST KORDENAT, M.S., M.D., *Assistant Professor of Surgery*
ABRAHAM ADOLPH LOW, M.D., *Assistant Professor of Psychiatry*
JACOB MORTON MORA, B.S., M.D., *Assistant Professor of Surgery*
CHARLES NEWBERGER, B.S., M.D., *Assistant Professor of Obstetrics and Gynecology*
HIRAM JASON SMITH, M.D., *Assistant Professor of Ophthalmology*
MICHAEL HENRY STREICHER, M.S., M.D., *Assistant Professor of Medicine*
ROY GILMORE BARRICK, M.D., M.H.D., *Assistant Professor of Criminology, Social Hygiene, and Medical Jurisprudence*
ROBERT LELON LADD, M.S., M.D., *Assistant Professor of Pathology*
JOHN JOSEPH THEOBALD, B.S., M.D., *Assistant Professor of Laryngology, Rhinology, and Otology*
WALTER HENRY THEOBALD, B.S., M.D., *Assistant Professor of Laryngology, Rhinology, and Otology*
FREDERICK WILLIAM HARK, M.S., M.D., *Assistant Professor of Orthopaedics*
HUGO OTTO DEUSS, B.S., M.D., *Assistant Professor of Medicine*
YNGVE JORANSON, A.B., B.S., M.D., *Assistant Professor of Anatomy*
ISIDORE A. RABENS, M.S., M.D., *Assistant Professor of Medicine*
THOMAS GORDON HULL, Ph.D., *Assistant Professor of Bacteriology and Public Health*
GEORGE MILLES, Ph.G., M.S., M.D., *Assistant Professor of Pathology*
ALFRED P. SOLOMON, A.B., M.D., *Assistant Professor of Psychiatry*
RICHARD LOCKWOOD WEBB, Ph.D., *Assistant Professor of Anatomy*
P. JOSEPH SARMA, M.S., M.D., *Assistant Professor of Surgery*
WILL FERSON LYON, A.B., M.D., *Assistant Professor of Surgery*
DANIEL HAROLD LEVINTHAL, M.D., *Assistant Professor of Orthopaedics*
THEODORE CORNBLEET, M.D., Ph.D., *Assistant Professor of Dermatology*
WILLIAM HENRY HAZLETT, M.D., *Assistant Professor of Surgery*
GUSTAV LEOPOLD ZECHEL, M.D., *Assistant Professor of Anatomy, and Associate in Surgery*
JULIUS LEO SPIVACK, M.D., *Assistant Professor of Surgery*
I. PAT BRONSTEIN, B.S., M.D., *Assistant Professor of Pediatrics*
MAXWELL GITELSON, B.S., M.D., *Assistant Professor of Juvenile Research*
RUDOLPH JUSTUS EMANUEL ODEN, A.B., M.D., *Assistant Professor of Surgery*
BERNARD PORTIS, M.D., Ph.D., *Assistant Professor of Surgery*
LOUIS WILLIAM SCHULTZ, B.S., D.D.S., M.D., *Assistant Professor of Surgery*
PARKE HARVEY SIMER, Ph.D., *Assistant Professor of Anatomy*
WALTER WILLIAM DALITSCH, B.S., D.D.S., M.D., *Assistant Professor of Medicine and Health Officer*
PAUL LEON EWING, Ph.D., *Assistant Professor of Pharmacology, Materia Medica, and Therapeutics*
FORD KIMMEL HICK, M.D., Ph.D., *Assistant Professor of Medicine*
HAROLD IRVING MEYER, M.S., M.D., *Assistant Professor of Surgery*
SHERMAN LAWRENCE SHAPIRO, B.S., M.D., *Assistant Professor of Laryngology, Rhinology, and Otology*
LEONARD F. WEBER, M.D., *Assistant Professor of Dermatology*
THOMAS M. FRENCH, A.B., M.D., *Assistant Professor of Criminology, Social Hygiene, and Medical Jurisprudence*
OSCAR BENJAMIN RAGINS, M.S., M.D., *Assistant Professor of Medicine*

ASSOCIATES

SOLOMON MAXWELL GOLDBERGER, M.D., *Associate in Pediatrics*
BENJAMIN ZION RAPPAPORT, M.S., M.D., *Associate in Medicine*

IRIS MCKY CHAMBERLAIN, M.D., *Associate in Pediatrics*
GEORGE SHAYNIN LIVINGSTON, M.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
LOUIS SENDER ROBINS, B.S., M.D., R.Ph., *Associate in Pediatrics*
VIRGIL RAY STEPHENS, M.S., M.D., *Associate in Surgery*
ERNEST A. BREDLAU, M.D., *Associate in Laryngology, Rhinology, and Otology*
MOSES GOLDWASSER, M.D., *Associate in Medicine*
MINAS JOANNIDES, M.S., M.D., *Associate in Surgery*
MILTON HENRY KRONENBERG, B.S., M.D., *Associate in Bacteriology and Public Health*
THOMAS PAINE SALTIEL, B.S., M.D., *Associate in Pediatrics*
LOUIS FELDMAN, B.S., M.D., *Associate in Medicine*
DIETRICH KLEMPTNER, M.D., *Associate in Medicine*
SAMUEL CUSHING BEACH, M.D., *Associate in Bacteriology and Public Health*
NOAH FOX, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
RICHARD A. LIFVENDAHL, B.S., M.D., *Associate in Obstetrics and Gynecology*
BENJAMIN MORRIS GASUL, M.S., M.D., *Associate in Pediatrics*
SAMUEL JULIAN HOFFMAN, B.S., M.D., *Associate in Pediatrics*
HARRY LEICHENGER, B.S., M.D., *Associate in Pediatrics*
TELL NELSON, M.D., M.S., *Associate in Medicine*
ISRAEL BECKER, B.S., M.D., *Associate in Medicine*
MARCUS RAYNER CARO, B.S., M.D., *Associate in Dermatology*
PHILIP ALLEN HALPER, B.S., M.D., *Associate in Ophthalmology*
WILLIAM A. MARSHALL, B.S., M.D., *Associate in Orthopaedics*
HERBERT RATTNER, M.D., *Associate in Dermatology*
PERRY JULIUS MELNICK, M.D., Ph.D., *Associate in Pathology*
ROBBIE NEELEY BRUNNER, M.D., *Associate in Anaesthesia*
CLAUDE NEEDHAM LAMBERT, A.B., M.D., *Associate in Orthopaedics*
JERRY JOSEPH KEARNS, B.S., M.D., *Associate in Pathology*
ALFRED JULIAN KOBAK, M.S., M.D., *Associate in Obstetrics and Gynecology*
MINNIE OBOLER PERLSTEIN, B.S., M.D., *Associate in Dermatology*
CARLO SALVADORE SCUDERI, B.S., M.D., *Associate in Surgery*
MAX T. BOLOTIN, B.S., M.D., *Associate in Medicine*
BENJAMIN FRANKLIN CROUTCH, M.D., *Associate in Surgery*
CARL APPLE, B.S., M.D., *Associate in Ophthalmology*
WILLIAM S. BOIKAN, M.S., M.D., *Associate in Medicine*
JAMES WILSON CLARK, B.S., M.D., *Associate in Ophthalmology*
CLARENCE A. JOHNSON, Ph.D., *Associate in Physiological Chemistry*
SAMUEL KAPLAN, M.S., M.D., *Associate in Obstetrics and Gynecology*
SAMUEL HENRY KRAINES, B.S., M.D., *Associate in Psychiatry*
EMIL JAMES STEIN, M.D., *Associate in Surgery, and Instructor in Anatomy*
HENRY OSCAR WERNICKE, A.B., M.D., *Associate in Surgery*
VICTOR LEVINE, B.S., M.D., *Associate in Pathology*
HAROLD CHARLES LUETH, M.D., Ph.D., *Associate in Medicine*
RAYMOND GREEN, B.S., M.D., *Associate in Surgery*
HAROLD HERRIN HILL, B.S., M.D., *Associate in Obstetrics and Gynecology*
ABRAHAM RISEL HOLLENDER, M.D., *Associate in Laryngology, Rhinology, and Otology*
ROBERT PRESTON MACFATE, Ch.E., M.S., *Associate in Pathology and Assistant Director of the Hospital Laboratory*
HERBERT ELI MCDANIELS, Ph.D., *Associate in Bacteriology and Public Health*
SOL ROY ROSENTHAL, M.D., Ph.D., *Associate in Bacteriology and Public Health*
IRWIN G. SPIESMAN, B.S., M.D., *Associate in Laryngology, Rhinology, and Otology*
MILTON JOSEPH SUMMERVILLE, A.B., M.D., *Associate in Obstetrics and Gynecology*
OLIVER EDWARD VAN ALYEA, M.D., *Associate in Laryngology, Rhinology, and Otology*
EMIL WEISS, M.D., Ph.D., *Associate in Bacteriology and Public Health*
STANISLAUS ANDREW SZUREK, M.S., M.D., *Associate in Psychiatry and Psychiatrist*
CHESTER WILLIAM DARROW, Ph.D., *Associate in Physiology and in Criminology, Social Hygiene, and Medical Jurisprudence*
MELVIN LOUIS AFREMOW, M.S., M.D., *Associate in Medicine*
CARL OSCAR GOTFRIED ALMQUIST, B.S., M.D., *Associate in Surgery*
WILLIAM CARL BECK, A.B., M.D., *Associate in Surgery*
MRS. BEULAH CHAMBERLAIN BOSSELMAN, A.B., M.D., *Associate in Psychiatry and Psychiatrist*
JOHN TALBOT GERNON, M.D., M.S., *Associate in Urology*
MARION HOOD, Ph.D., *Associate in Medicine and Parasitologist*

Edward J. Horick, B.S., M.D., *Associate in Ophthalmology*
John Stewart Howe, A.B., M.D., *Associate in Pathology*
Aaron B. Kendrick, Ph.D., *Associate in Medicine*
Clarence Willard Klassen, B.S., *Associate in Bacteriology and Public Health*
Louis Robert Limarzi, M.D., M.S., *Associate in Medicine*
Foster Lamont McMillan, B.S., M.D., *Associate in Surgery*
Guy V. Pontius, B.S., M.D., *Associate in Surgery*
Joseph Cyrus Rheingold, M.D., M.S., *Associate in Psychiatry*
Colquitt Otis Ritch, B.S., M.D., *Associate in Surgery*
Mrs. Irene Case Sherman, Ph.D., M.D., *Associate in Psychiatry*
Henry Abraham Siegal, B.S., M.D., *Associate in Medicine*
Frederick Steigmann, M.D., M.S., *Associate in Medicine*
Theodore John Wachowski, B.S., M.D., *Associate in Roentgenology*
Gustave Frankel Weinfeld, M.D., *Associate in Pediatrics and in Juvenile Behavior*
Louis Zolo Fishman, M.D., M.S., *Associate in Laryngology, Rhinology, and Otology*
Joseph Adolph Tuta, Ph.D., M.D., *Associate in Pathology*
Raymond Clifford Ingraham, Ph.D., *Associate in Physiology*
Harold Carl Struck, Ph.D., *Associate in Physiology*
David Solomon Beilin, B.S., M.D., *Associate in Roentgenology*
Paul Henry Holinger, M.S., M.D., *Associate in Bronchoscopy*
Mrs. Irene Milliken Josselyn, M.S., M.D., *Associate in Criminology, Social Hygiene, and Medical Jurisprudence*
Samuel I. Kaufman, M.D., *Associate in Ophthalmology*
Ben William Lichtenstein, M.D., M.S., *Associate in Neurology and Neurological Surgery*
Milton Leonard Miller, A.B., M.D., *Associate in Criminology, Social Hygiene, and Medical Jurisprudence*
Mrs. Adelaide McFadyen Johnson,[1] Ph.D., M.D., *Associate in Criminology*

LECTURERS

Clarence Weinert Muehlberger, Ph.D., *Professorial Lecturer in Pharmacology and Toxicology*
Warren Garfield Murray, M.D., *Lecturer in Criminology, Social Hygiene, and Medical Jurisprudence*
Major Henry Worthington, M.D., *Lecturer in Hospital Organization and Administration, Managing Officer of the Research and Educational Hospital, and Superintendent of the Dispensary*
Rodney Howe Brandon, *Lecturer in Criminology, Social Hygiene, and Medical Jurisprudence*
Nobel Gustaf Johnson, A.B., J.D., *Lecturer in Medical Jurisprudence*
Lloyd Hiram Ziegler, B.Pd., A.M., M.D., *Lecturer in Psychiatry*

INSTRUCTORS

Maurice Joseph Rose, B.S., M.D., *Instructor in Obstetrics and Gynecology*
Walter Rathfon Fischer, B.S., M.D., *Instructor in Orthopaedics*
Benjamin Mordecai Levin, B.S., M.D., *Instructor in Pediatrics*
Norbert Pauker, B.S., M.D., *Instructor in Pediatrics*
Joseph Walkon Platin, M.D., *Instructor in Urology*
Louis Joseph Halpern, B.S., M.D., *Instructor in Pediatrics*
Alfons R. Bacon, B.S., M.D., *Instructor in Obstetrics and Gynecology*
Abe Louis Aaronson, M.S., M.D., *Instructor in Medicine*
Mat Bloomfield, B.S., M.D., *Instructor in Obstetrics and Gynecology*
John Anthony Suldane, M.D., *Instructor in Pediatrics*
Max Eleager Fisch, M.S., M.D., *Instructor in Anatomy*
Henry R. Krasnow, M.D., *Instructor in Dermatology*
Jane Rose McLaughlin, A.B., R.N., *Instructor in Obstetrics and Gynecology*
Arthur Jethro Coombs, A.B., M.D., *Instructor in Laryngology, Rhinology, and Otology*
John W. Harned, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
Earle Rupert Pace, A.B., M.D., *Instructor in Dermatology*
Hymen William Golub, B.S., M.D., *Instructor in Medicine*

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[1] Second semester.

EUGENE GROSZ, M.D., *Instructor in Medicine*
JULIUS A. GURVEY, B.S., M.D., *Instructor in Medicine*
BENJAMIN PEARLMAN, B.S., M.D., *Instructor in Medicine*
HERMAN LOUIS MISHKIN, B.S., M.D., *Instructor in Surgery, and Assistant in Anatomy*
SAMUEL MORDECAI MORWITZ, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
CHARLES OTIS SMITH, A.B., B.S., M.D., *Instructor in Obstetrics and Gynecology*
SAMUEL PELUSE, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
PHILIP FREDERIC SCHNEIDER, M.D., *Instructor in Obstetrics and Gynecology*
REUBEN ISADORE KLEIN, M.S., M.D., *Instructor in Pathology and in Pediatrics*
NOAH DANIEL FABRICANT, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
HENRY CHASKELL SCHORR, B.S., M.D., *Instructor in Dermatology*
WILLIAM KENNETH FORD, M.D., *Instructor in Dermatology*
ALEX BENJAMIN RAGINS, M.S., M.D., *Instructor in Pathology*
CARROLL W. STUART, D.D.S., M.S., M.D., *Instructor in Bacteriology and Public Health*
JACOB WARREN FISCHER, B.S., M.D., *Instructor in Medicine*
LEO E. AMTMAN, B.S., M.D., *Instructor in Medicine*
RICHARD MILTON DAVISON, M.D., M.S., *Instructor in Surgery*
JOHN CHARLES MCMILLAN, JR., B.S., M.D., *Instructor in Medicine*
ROY OTIS RISER, B.S., M.D., *Instructor in Ophthalmology*
GEORGE FIELDING HIBBERT, B.S., M.D., *Instructor in Obstetrics and Gynecology*
EUGENE LESTER BAKER, B.S., M.D., *Instructor in Surgery*
RALPH HENRY KUHNS, B.S., M.D., *Instructor in Psychiatry*
CECIL DAVID BROWN, B.S., M.D., *Instructor in Surgery*
IRVING DREYER, M.S., M.D., *Instructor in Medicine and in Pathology*
ROBERT MOORE JONES, A.B., M.D., *Instructor in Medicine*
LEO FREDERICK MILLER, B.S., M.D., *Instructor in Orthopaedics*
EMANUEL PADNOS, B.S., M.D., *Instructor in Pediatrics*
EDWIN WILLIAM PASSARELLI, B.S., M.D., *Instructor in Medicine*
HAROLD SHELLOW, B.S., M.D., *Instructor in Dermatology*
CLARA DEBORAH TIGAY, A.B., M.D., *Instructor in Pediatrics*
ARTHUR ABRAHAM HALEVY, M.D., *Instructor in Surgery*
ROBERT HENRY KREHBIEL, Ph.D., *Instructor in Anatomy*
MARVIN GEORGE FLANNERY, A.B., B.S., M.D., *Instructor in Surgery and Assistant in Anatomy*
EPHRAIM FRANK GOODMAN, B.S., M.D., *Instructor in Surgery*
DAVID HOWARD WAGNER, M.D., M.S., *Instructor in Surgery and Assistant in Anatomy*
SYLVIO AMEDEO SCIARRETTA, B.S., M.D., *Instructor in Laryngology, Rhinology, and Otology*
NELL TREVA PATTENGALE, B.S., M.D., *Instructor in Radium Therapy*
DAVID SMEATON JAFFRAY, B.S., M.D., *Instructor in Surgery*
LEO CLIFFORD CLOWES, A.B., M.D., *Instructor in Surgery*
SAMUEL HERBERT RICHMAN,[1] M.D., *Instructor in Roentgenology*
JOHN EUGENE LOTSPIECH, B.S., M.D., *Instructor in Surgery*
SAMUEL B. BRODER, M.D., M.S., *Instructor in Psychiatry*
HENRY PICKETT DORMAN, M.D., Ph.D., *Instructor in Medicine*
VERNE WESLEY LYON, M.S., *Instructor in Criminology, Social Hygiene, and Medical Jurisprudence*
SAMUEL HENRY ROSENBLUM, B.S., M.D., *Instructor in Medicine*
MARVIN SUKOV, A.B., M.D., *Instructor in Criminology, Social Hygiene, and Medical Jurisprudence*
JOHN ROBERT WOLFF, M.D., *Instructor in Obstetrics and Gynecology*
G. HOWARD GOWEN, M.D., Ph.D., *Instructor in Bacteriology and Public Health*
EDWARD EDGAR PARK SEIDMON, Ph.G., M.S., M.D., *Instructor in Bacteriology and Public Health*
WILLIAM STANLEY TIMBLIN, B.S., M.D., *Instructor in Medicine*
SIDNEY OLDER LEVINSON, B.S., M.D., *Instructor in Pediatrics*
SOL M. ABELSON, B.S., M.D., *Instructor in Pediatrics*
FRANCES ANGELA, B.S., *Instructor in Bacteriology and Public Health*
JACOB JOSEPH BARATZ, B.S., M.D., *Instructor in Pediatrics*
MAX BERG, M.D., M.S., *Instructor in Pathology and in Medicine*
BRUNO BLUMKLOTZ, M.D., *Instructor in Laryngology, Rhinology, and Otology*
ROOSEVELT BROOKS, M.D., *Instructor in Ophthalmology*

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[1] Resignation effective November 9, 1938.

GEORGE CHARLES COE, B.S., M.D., *Instructor in Medicine*
JOSEPHINE MARION DYNIEWICZ, Ph.G., Ph.C., *Instructor in Pharmacology, Materia Medica, and Therapeutics*
PAUL WEBB GREELEY, A.B., M.D., *Instructor in Surgery*
RUDOLPH HECHT, M.S., M.D., *Instructor in Medicine*
JOHN A. HIGGINS, D.D.S., *Instructor in Pharmacology, Materia Medica, and Therapeutics*
NELL HIRSCHBERG, Ph.D., *Instructor in Bacteriology and Public Health*
HOWARD MATTHEW JACOBS, B.S., M.D., *Instructor in Pediatrics*
MORRIS AARON KAPLAN, M.S., M.D., *Instructor in Medicine*
JOSEPH HENRY KIEFER, B.S., M.D., *Instructor in Surgery*
ALFRED CAMPBELL LEDOUX, M.D., *Instructor in Roentgenology*
HERMAN ABRAHAM LEVY, B.S., M.D., *Instructor in Medicine*
HERMAN CHARLES MASON, M.S., *Instructor in Bacteriology and Public Health*
JACOB PASKIND, M.D., *Instructor in Psychiatry*
WILLIAM HARRIS REALS, M.D., *Instructor in Pediatrics*
GEORGE HENRY REZEK, M.D., M.S., *Instructor in Obstetrics and Gynecology*
FREDERICK WILLIAM SCHACHT, M.S., M.D., *Instructor in Urology*
MAURICE SCHNEIDER, M.D., *Instructor in Pediatrics*
RALPH SPAETH, A.B., M.D., *Instructor in Pediatrics*
IRVING ELIHU STECK, M.S., M.D., *Instructor in Medicine and in Physiology*
JOHN FRANCIS PICK, B.S., M.D., M.Mus., *Instructor in Surgery*
FREDERICK JOHN ROOS, M.D., *Instructor in Obstetrics and Gynecology*
DAVID MINARD, Ph.D., *Instructor in Physiology*
NORMAN BRIDGE ROBERG, A.B., M.D., *Instructor in Medicine*
BRODA OTTO BARNES, Ph.D., M.D., *Instructor in Physiology*
PAUL FREDERICK KRUEGER, B.S., *Instructor in Bacteriology and Public Health*
FRANCES AGNES BRIGGS, Ph.D., *Instructor in Physiological Chemistry*
EDWARD CHARLES BERNELL, M.S., M.D., *Instructor in Obstetrics and Gynecology*
ARTHUR BERNSTEIN, B.S., M.D., *Instructor in Medicine*
THOMAS JOSEPH CONLEY, B.S., M.D., *Instructor in Medicine*
HOWARD ZEITLIN, M.S., M.D., *Instructor in Neurology and Neurological Surgery*
MARIE ANNA HAGELE,[1] R.N., M.S., M.D., *Instructor in Bacteriology and Public Health*
EMILY R. JONES, M.S., *Instructor in Bacteriology and Public Health*
BRANTLEY METTANER JOHNSON, M.D., *Instructor in Roentgenology*
BUDD CLARKE CORBUS, JR., M.D., M.S., *Instructor in Pathology*
MILAN MICHAEL WASICK, B.S., M.D., *Instructor in Bacteriology and Public Health*
PAUL R. GRIFFITH,[2] A.B., M.D., *Instructor in Dermatology*

ASSISTANTS

SAMUEL JACOB BURROWS, M.D., *Assistant in Anatomy*
MORRIS LOUIS PARKER, B.S., M.D., *Assistant in Surgery*
ADELINE RAWSON WHITE, B.S., M.D., *Assistant in Anatomy*, Emeritus
MRS. ISABEL CLARK DORRELL, B.S., *Assistant in the Hospital Laboratory*
CECIL CLAUDE HARVEY, M.S., *Assistant in Physiological Chemistry*
VIRGIL ARNETT GANT, M.S., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
MRS. RUDLA BURNS RIND, B.S., M.D., *Assistant in Medicine*
EVERETT ARTHUR GRIMMER, D.D.S., *Assistant in Dental Surgery*
GEORGE WILLIAM MARQUARDT,[3] D.D.S., *Assistant in Oral Surgery*
HOMER VERNON WILBURN, A.B., M.D., *Assistant in Medicine*
HAROLD MARK HOOVER, B.S., M.D., *Assistant in Medicine*
CLAIR MARTIN CAREY, B.S., M.D., *Assistant in Obstetrics and Gynecology*
EUGENE JOHN ROONEY, M.D., *Assistant in Medicine*
MILTON CHARLES SCHELL, M.D., *Assistant in Medicine*
SAMUEL IRWIN DITKOWSKY, B.S., M.D., *Assistant in Medicine*
HOWARD JACK LE VINE, B.S., M.D., *Assistant in Medicine*
ABRAHAM HAPPY RUDOLPH, B.S., M.D., *Assistant in Medicine*
MILTON MITCHELL MOSKO, B.S., M.D., *Assistant in Medicine*
HORACE EDWARD TURNER, B.S., M.D., *Assistant in Medicine and in Orthopaedics*
PHILIP THOREK, B.S., M.D., *Assistant in Anatomy and in Surgery*
HERSHEL MEYER, B.S., M.D., *Assistant in Medicine*
JOHN D. SINGER, B.S., M.D., *Assistant in Medicine*

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[1] First semester.
[2] Beginning March 15, 1939.
[3] Resignation effective March 20, 1939.

Louis Leonard Fiorito, B.S., M.D., *Assistant in Medicine*
Arthur Valentine Bergquist, B.S., M.D., *Assistant in Anatomy*
Robert Edward Dyer, B.S., M.D., *Assistant in Anatomy*
Edward Stuart Baxter, B.S., M.D., *Assistant in Pediatrics*
Norman Shure, B.S., M.D., *Assistant in Medicine*
Arthur Rudolph Weihe, B.S., M.D., *Assistant in Anatomy*
Norman A. Wien, B.S., M.D., *Assistant in Medicine*
Henry S. Cambridge, B.S., M.D., *Assistant in Surgery*
Emanuel Joshua Feinhandler, B.S., M.D., *Assistant in Medicine*
Vincent Charles Freda, B.S., M.D., *Assistant and Third Year Resident in Obstetrics and Gynecology*
William Francis Jacobs, A.B., B.S., M.D., *Assistant in Medicine*
Mitchell Abraham Spellberg, M.D., M.S., *Assistant in Medicine*
Charles Theodore Poulson, B.S., M.D., *Assistant in Medicine*
Edward J. Bomze, B.S., M.D., *Assistant in Obstetrics and Gynecology*
Harold Jesse Cawthorne, A.B., B.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Joseph Stephen Drabanski, B.S., M.D., *Assistant in Urology*
Milton Morris Scheffler, B.S., M.D., *Assistant in Obstetrics and Gynecology*
Bernard Skorodin, M.D., M.S., *Assistant in Psychiatry*
Israel Ronald Sonenthal, M.D., M.S., *Assistant in Psychiatry*
La Verne Myron Wallheiser, B.S., M.D., *Assistant in Obstetrics and Gynecology*
Louis Edidin, B.S., M.D., *Assistant in Medicine*
Jacob Abraham Glassman, B.S., M.D., *Assistant in Anatomy*
Arthur Deo Klein, B.S., *Assistant in Physiology*
John Bernhard Roth, B.S., M.D., *Assistant in Medicine and in Anatomy*
Morris Weiss, M.D., *Assistant in Medicine*
John O'Donnell McCabe, B.S., M.D., *Assistant and Third Year Resident in Orthopaedics*
Edward C. Sahlstrom,[1] D.D.S., *Assistant in Oral Surgery*
James Emmett O'Malley, M.S., M.D., *Assistant in Medicine*
Raymond Elmer Sorensen, M.S., M.D., *Assistant in Surgery*
Harold D. Dykhuizen, A.B., M.D., *Assistant in Surgery*
William Charles Ocasek, M.D., *Assistant in Medicine*
John William Wall, B.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Maurice Kaplan, M.D., M.S., *Assistant in Psychiatry*
Joseph Charles Ehrlich, B.S., M.D., *Assistant in Medicine*
Everett Lee Strohl, M.D., M.S., *Assistant in Surgery*
Richard Arthur Matthies, B.S., M.D., *Assistant in Surgery*
Harry Robert Schwartz, B.S., M.D., *Assistant in Medicine*
Hazel Blank, R.N., *Assistant in the Hospital Laboratory*
Melvin Frank Otto Blaurock, M.D., M.S., *Assistant and Third Year Resident in Psychiatry*
Katheryn Elizabeth Buck, M.S., *Assistant in the Hospital Laboratory*
Mary Veronica Donahue, B.S., *Assistant in the Hospital Laboratory*
Carl Ireneus, Jr., A.B., B.S., M.D., *Assistant and Second Year Resident in Surgery*
Leo Carroll Larkin, M.D., *Assistant in Medicine*
Arthur Harry Levine, B.S., M.D., *Assistant in Medicine*
Helen Miller Noyes, A.M., *Assistant in Orthopaedics*
Bernard J. Pass,[2] B.S., M.D., *Assistant in Medicine*
Irving Bernard Richter, B.S., M.D., *Assistant in Pediatrics*
Samuel Perry Rogers, A.B., M.D., *Assistant in Orthopaedics*
Louis Savitt, M.D., *Assistant in Laryngology, Rhinology, and Otology*
Joseph G. Schoolman, A.B., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Danley Philip Slaughter, B.S., M.D., *Assistant and Third Year Resident in Surgery*
Louis Arlington Terman, B.S., M.D., *Assistant in Medicine*
Ernest Bernard Williams, B.S., M.D., *Assistant in Medicine*
Willis Gleason Diffenbaugh, B.S., M.D., *Assistant in Surgery*
Maurice Orrington Grossman, A.B., B.S., M.D., *Assistant in Medicine*
Norman Ludlow Baker, B.S., M.D., *Assistant in Medicine*
Mrs. Martha Rubin Folk, M.D., *Assistant in Ophthalmology*
Aaron Louis Goldberg, M.D., *Assistant in Medicine*
Robert Barnard Lewy, B.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Ernest Charles McGill, B.S., M.D., *Assistant in Obstetrics and Gynecology*

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[1] Resignation effective March 16, 1939. [2] Resignation effective October 4, 1938.

Harvey Cornelius Roll, B.S., M.D., *Assistant in Dermatology*
Joseph B. Teton, B.S., M.D., *Assistant in Obstetrics and Gynecology*
Mrs. Frances Creekmuer Whitcomb, B.S., *Assistant in Pathology*
Frank Herman Fowler, M.D., *Assistant in Surgery*
Alf J. Holm, A.B., M.D., *Assistant in Surgery*
Louis Alois Holub, M.D., *Assistant in Anatomy and in Surgery*
Harold Alan Roth, A.B., B.S., M.D., *Assistant in Surgery*
Harry Charles Wall, M.D., M.S., *Assistant in Medicine*
William Arnold Christian,[1] B.S., M.D., *Assistant in Medicine*
Joseph Herman Jesser, A.B., B.S., M.D., *Assistant in Surgery*
Edward Ross, M.D., *Assistant in Psychiatry*
Milton Tinsley, M.D., *Assistant and Second Year Resident in Neurology and Neurological Surgery*
Paul Henderson Dubé, A.B., M.D., *Assistant and Second Year Resident in Orthopaedics*
Lawrence Breslow, A.B., M.D., *Assistant and Resident in Pediatrics*
Mandel Sachs, M.D., *Assistant and Second Year Resident in Psychiatry*
Mrs. Beatrice Currier Siemon, B.S., *Assistant in the Hospital Laboratory*
Harry Berman, B.S., M.D., *Assistant in Laryngology, Rhinology, and Otology*
Salvatore Anthony Dimiceli, B.S., M.D., *Assistant in Medicine*
Stephen Lafayette Odgers, A.M., M.D., *Assistant and First Year Resident in Orthopaedics*
Edward Palmer, Ph.B., M.D., *Assistant and First Year Resident in Surgery*
Hilmar Reinhold Schmidt, A.B., M.D., *Assistant in Roentgenology*
Charles Edward Shannon, B.S., M.D., *Assistant in Orthopaedics*
Milo Edward Vacin, M.D., *Assistant in Anatomy*
Frances Nan Howard, Ph.B., *Assistant in Medicine and Operator of Electrocardiograph*
William Robert Sladek, B.S., M.D., *Assistant in Medicine*
Philip Blickensdorfer, Ph.D., *Assistant in Pharmacology, Materia Medica, and Therapeutics*
Samson D. Entin, B.S., M.D., *Assistant in Medicine*
John O. Hanson, B.S., M.D., *Assistant in Surgery*
Frank Folbert Kanthak, B.S., D.D.S., M.D., *Assistant in Surgery*
Charles Donald Krause, M.D., *Assistant and Out-Patient Resident in Obstetrics and Gynecology*
Max Malcolm Montgomery, B.S., M.D., *Assistant in Medicine*
Mrs. Jeannette Cohen Ricewasser, M.S., *Assistant in Pediatrics*
Chester Wade, M.S., M.D., *Assistant in Psychiatry*
Paul Lincoln Bedinger, M.D., M.S., *Assistant in Medicine*
Isadore Hymen Cohn, B.S., M.D., *Assistant in Medicine*
Ben Gerald Fishkin, A.B., M.D., *Assistant in Pathology*
James Vincent Oliver, B.S., M.D., *Assistant in Anatomy*
Ernst Schmidhofer,[2] M.D., *Assistant in Anatomy*
Alice Margaret Bell, B.S., *Assistant in the Hospital Laboratory*
Mrs. Frances Crandell Perce, M.S., *Assistant in Juvenile Behavior*
Elizabeth MacDougall, A.M., M.D., *Assistant in Psychiatry*
Maurice Gore,[3] M.D., M.S., M.S.P.H., *Assistant in Medicine*
Eugene Gettelman,[4] B.S., M.D., *Assistant in Pediatrics*
Abraham Alvin Wolf,[4] B.S., M.D., *Assistant in Pediatrics*
Reinhold Enoch Johnson,[5] B.S., M.D., *Assistant in Medicine*
Arthur Sophus Juul Petersen,[6] B.S., M.D., *Assistant in Roentgenology*

Librarians

Metta May Loomis, *Librarian,* Retired
Wilma Allene Troxel, A.M., *Librarian*
Margaret Mary Bates, *Assistant Librarian*

Chief Photographer

Lawrence Anthony Toriello, *Photographer, Medical and Dental Illustration*

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[1] Resignation effective February 4, 1939.
[2] Resignation effective January 1, 1939.
[3] Beginning January 3, 1939.
[4] Beginning February 1, 1939.
[5] Beginning February 15, 1939.
[6] Beginning April 17, 1939.

INDEX TO NAMES OF MEMBERS OF THE FACULTY

Name	*Department*	*Rank*
Aaronson, Abe L	Medicine	Instructor
Abelson, Sol M	Pediatrics	Instructor
Afremow, Melvin L	Medicine	Associate
Alexander, Franz G	Psychiatry	Associate Professor
Almquist, Carl O. G	Surgery	Associate
Amtman, Leo E	Medicine	Instructor
Angela, Frances	Bacteriology, Public Health	Instructor
Apple, Carl	Ophthalmology	Associate
Arnold, Lloyd	Bacteriology, Public Health	Professor
Bachem, Albert	Physiology	Professor
Bacon, Alfons R	Obstetrics, Gynecology	Instructor
Bacon, Charles S	Obstetrics, Gynecology	Professor, *Emeritus*
Baker, Eugene L	Surgery	Instructor
Baker, Norman L	Medicine	Assistant
Bamberger, Arrie	Surgery	Associate Professor
Baratz, Jacob J	Pediatrics	Instructor
Barnes, Broda O	Physiology	Instructor
Barrick, Roy G	Criminology	Assistant Professor
Baxter, Edward S	Pediatrics	Assistant
Beach, Samuel C	Bacteriology, Public Health	Associate
Beard, Hallard	Ophthalmology	Associate Professor
Beck, Joseph C	Otolaryngology	Associate Professor, *Emeritus*
Beck, William C	Surgery	Associate
Becker, Israel	Medicine	Associate
Bedinger, Paul L	Medicine	Assistant
Beilin, David S	Roentgenology	Associate
Bell, Alice M	Hospital Laboratory	Assistant
Berg, Max	Pathology Medicine	Instructor Assistant
Bergeim, Olaf	Physiological Chemistry	Associate Professor
Bergquist, Arthur V	Anatomy	Assistant
Berman, Harry	Otolaryngology	Assistant
Bernell, Edward C	Obstetrics, Gynecology	Instructor
Bernstein, Arthur	Medicine	Instructor
Birch, Carroll L	Medicine	Assistant Professor
Blank, Hazel	Hospital Laboratory	Assistant
Blatt, Maurice L	Pediatrics	Professor
Blaurock, Melvin F. O	Psychiatry	Assistant
Blickensdorfer, Philip	Pharmacology	Assistant
Bloomfield, Mat	Obstetrics, Gynecology	Instructor
Blumklotz, Bruno	Otolaryngology	Instructor
Boikan, William S	Medicine	Associate
Bolotin, Max T	Medicine	Associate
Bomze, Edward J	Obstetrics, Gynecology	Assistant
Bonin, Gerhardt von	Anatomy	Associate Professor
Bosselman, Beulah C	Psychiatry	Associate
Bower, Lester E	Pediatrics	Assistant Professor
Brandon, Rodney H	Criminology	Lecturer
Bredlau, Ernest A	Otolaryngology	Associate
Breslow, Lawrence	Pediatrics	Assistant
Briggs, Frances A	Physiological Chemistry	Instructor
Broder, Samuel B	Psychiatry	Instructor
Bronstein, I. Pat	Pediatrics	Assistant Professor
Brooks, Roosevelt	Ophthalmology	Instructor
Brown, Andrew W	Criminology	Associate Professor
Brown, C. David	Surgery	Instructor
Browne, William H	Obstetrics, Gynecology	Assistant Professor
Brunner, Robbie N	Anaesthesia	Associate
Buck, Katheryn E	Hospital Laboratory	Assistant
Burrows, Samuel J	Anatomy	Assistant

Name	*Department*	*Rank*
Calvin, Joseph K	Pediatrics	Assistant Professor
Cambridge, Henry S	Surgery	Assistant
Camp, Walter J. R	Pharmacology	Professor
Carey, Clair M	Obstetrics, Gynecology	Assistant
Caro, Marcus R	Dermatology	Associate
Cawthorne, Harold J	Otolaryngology	Assistant
Chamberlain, Iris M	Pediatrics	Associate
Chauvet, Frank	Medicine	Associate Professor
Christian, William A	Medicine	Assistant
Cipriani, John B	Medicine	Assistant Professor
Clark, James W	Ophthalmology	Associate
Clowes, Leo C	Surgery	Instructor
Coe, George C	Medicine	Instructor
Cohn, Isadore H	Medicine	Assistant
Cole, Arthur G	Physiological Chemistry	Assistant Professor
Cole, Warren H	Surgery	Professor
Conley, Thomas J	Medicine	Instructor
Coombs, Arthur J	Otolaryngology	Instructor
Cooper, Arthur R	Anatomy	Associate Professor
Corbus, Budd C., Jr	Pathology	Instructor
Cornbleet, Theodore	Dermatology	Assistant Professor
Croutch, Benjamin F	Surgery	Associate
Dalitsch, Walter W	Medicine	Assistant Professor
Darrow, Chester W	Physiology, Criminology	Associate
Davis, David J	Pathology	Dean and Professor
Davison, Charles	Surgery	Professor, *Emeritus*
Davison, Richard M	Surgery	Instructor
Deuss, Hugo O	Medicine	Assistant Professor
Diamond, Isadore B	Neurology	Assistant Professor
Diffenbaugh, Willis G	Surgery	Assistant
Dimiceli, Salvatore A	Medicine	Assistant
Ditkowsky, Samuel I	Medicine	Assistant
Donahue, Mary V	Hospital Laboratory	Assistant
Dorman, Henry P	Medicine	Instructor
Dorrell, Isabel C	Hospital Laboratory	Assistant
Drabanski, Joseph S	Surgery	Assistant
Dreyer, Irving	Medicine, Pathology	Instructor
Dubé, Paul H	Orthopaedics	Assistant
Dyas, Frederick G	Surgery	Professor, *Emeritus*
Dyer, Robert E	Anatomy	Assistant
Dykhuizen, Harold D	Surgery	Assistant
Dyniewicz, Josephine M	Pharmacology	Instructor
Earle, Frank B	Pediatrics	Professor, *Emeritus*
Edidin, Louis	Medicine	Assistant
Ehrlich, Joseph C	Medicine	Assistant
Entin, Samson D	Medicine	Assistant
Ewing, Paul L	Pharmacology	Assistant Professor
Fabricant, Noah D	Otolaryngology	Instructor
Falls, Frederick H	Obstetrics, Gynecology	Professor
Fantus, Bernard	Pharmacology	Professor
Feinhandler, Emanuel J	Medicine	Assistant
Feldman, Louis	Medicine	Associate
Findlay, Ephraim K	Ophthalmology	Professor
Fiorito, Loúis L	Medicine	Assistant
Fisch, Max E	Anatomy	Instructor
Fischer, Jacob W	Medicine	Instructor
Fischer, Walter R	Orthopaedics	Instructor
Fishkin, Ben G	Pathology	Assistant
Fishman, Louis Z	Otolaryngology	Associate
Flannery, Marvin G	Surgery Anatomy	Instructor Assistant
Foley, Edmund F	Medicine	Associate Professor

Name	*Department*	*Rank*
Folk, Martha R	Ophthalmology	Assistant
Ford, William K	Dermatology	Instructor
Fowler, Frank H	Surgery	Assistant
Fox, Noah	Otolaryngology	Associate
Freda, Vincent C	Obstetrics, Gynecology	Assistant
Freilich, Ellis B	Medicine	Associate Professor
French, Thomas M	Criminology	Assistant Professor
Gamble, William E	Ophthalmology	Professor, *Emeritus*
Gant, Virgil A	Pharmacology	Assistant
Gasul, Benjamin M	Pediatrics	Associate
Gellhorn, Ernst	Physiology	Professor
Gernon, John T	Surgery	Associate
Gettelman, Eugene	Pediatrics	Assistant
Gitelson, Maxwell	Criminology	Assistant Professor
Glassman, Jacob A	Anatomy	Assistant
Goldberg, Aaron L	Medicine	Assistant
Goldberg, Benjamin	Medicine	Associate Professor
Goldberger, Solomon M	Pediatrics	Associate
Goldwasser, Moses	Medicine	Associate
Golub, Hymen W	Medicine	Instructor
Goodman, Ephraim F	Surgery	Instructor
Gore, Maurice	Medicine	Assistant
Gowen, G. Howard	Public Health	Instructor
Greeley, Paul W	Surgery	Instructor
Green, Raymond	Surgery	Associate
Griffith, Paul R	Roentgenology	Instructor
Grimmer, Everett A	Orthopaedics	Assistant
Grossman, Maurice O	Medicine	Assistant
Grosz, Eugene	Medicine	Instructor
Gurvey, Julius	Medicine	Instructor
Hagele, Marie A	Bacteriology, Public Health	Instructor
Halevy, Arthur A	Surgery	Instructor
Halper, Philip A	Ophthalmology	Associate
Halpern, Louis J	Pediatrics	Instructor
Hamilton, Bengt L. K	Pediatrics	Associate Professor
Hammond, Walter C	Obstetrics, Gynecology	Assistant Professor
Hanson, John O	Surgery	Assistant
Hark, Frederick W	Orthopaedics	Assistant Professor
Harned, John W	Otolaryngology	Instructor
Harsha, William M	Surgery	Professor, *Emeritus*
Hartung, Adolph	Roentgenology	Professor
Harvey, Cecil C	Physiological Chemistry	Assistant
Hassin, George B	Neurology	Professor
Hazlett, William H	Surgery	Assistant Professor
Hecht, Rudolph	Medicine	Instructor
Herrold, Russell D	Surgery	Associate Professor
Hess, Julius H	Pediatrics	Professor
Hibbert, George F	Obstetrics, Gynecology	Instructor
Hick, Ford K	Medicine	Assistant Professor
Higgins, John A	Pharmacology	Instructor
Hill, Harold H	Obstetrics, Gynecology	Associate
Hirschberg, Nell	Bacteriology, Public Health	Instructor
Hoffman, Samuel J	Pediatrics	Associate
Holinger, Paul H	Otolaryngology	Associate
Hollender, Abraham R	Otolaryngology	Associate
Holm, Alf J	Surgery	Assistant
Holub, Louis A	Surgery, Anatomy	Assistant
Hood, Marion	Medicine	Associate
Hoover, Harold M	Medicine	Assistant
Horick, Edward J	Ophthalmology	Associate
Howard, Frances N	Medicine	Assistant
Howe, John S	Pathology	Associate

Name	*Department*	*Rank*
Hull, Thomas G.	Bacteriology, Public Health	Assistant Professor
Humiston, Charles E.	Surgery	Professor, *Emeritus*
Ingraham, Raymond C.	Physiology	Associate
Ireneus, Carl, Jr.	Surgery	Assistant
Irish, Henry E.	Pediatrics	Professor
Jacobs, Howard M.	Pediatrics	Instructor
Jacobs, William F.	Medicine	Assistant
Jaffray, David S.	Surgery	Instructor
Jesser, Joseph H.	Surgery	Assistant
Jirka, Frank J.	Surgery	Associate Professor
Joannides, Minas	Surgery	Associate
Johnson, Adelaide M.	Criminology	Associate
Johnson, Brantley M.	Roentgenology	Instructor
Johnson, Clarence A.	Physiological Chemistry	Associate
Johnson, Nobel G.	Medical Jurisprudence	Lecturer
Johnson, Reinhold E.	Medicine	Assistant
Jones, Emily R.	Bacteriology, Public Health	Instructor
Jones, Robert M.	Medicine	Instructor
Jones, Thomas S.	Medical Illustration	Associate Professor
Joranson, Yngve	Anatomy	Assistant Professor
Josselyn, Irene M.	Criminology	Associate
Kampmeier, Otto F.	Anatomy	Professor
Kanthak, Frank F.	Surgery	Assistant
Kaplan, Maurice	Psychiatry	Assistant
Kaplan, Morris A.	Medicine	Instructor
Kaplan, Samuel	Obstetrics, Gynecology	Associate
Kaufman, Samuel I.	Ophthalmology	Associate
Kearns, Jerry J.	Pathology	Associate
Keeton, Robert W.	Medicine	Professor
Kendrick, Aaron B.	Medicine	Associate
Kiefer, Joseph H.	Surgery	Instructor
Klassen, Clarence W.	Bacteriology	Associate
Klein, Arthur D.	Physiology	Assistant
Klein, Reuben I.	Pathology, Pediatrics	Instructor
Klemptner, Dietrich	Medicine	Associate
Kobak, Alfred J.	Obstetrics, Gynecology	Associate
Kordenat, Ralph A.	Surgery	Assistant Professor
Koucky, John D.	Surgery	Associate Professor
Kraines, Samuel H.	Psychiatry	Associate
Krasnow, Henry R.	Dermatology	Instructor
Krause, Charles D.	Obstetrics, Gynecology	Assistant
Krehbiel, Robert H.	Anatomy	Instructor
Kronenberg, Milton H.	Bacteriology, Public Health	Associate
Krueger, Paul F.	Bacteriology, Public Health	Instructor
Kuhns, Ralph H.	Psychiatry	Instructor
Ladd, Robert L.	Pathology	Assistant Professor
Lambert, Claude N.	Orthopaedics	Associate
Lang, John M.	Obstetrics, Gynecology	Assistant Professor
Larkin, Leo C.	Medicine	Assistant
Lash, Abraham F.	Obstetrics, Gynecology	Assistant Professor
Lederer, Francis L.	Otolaryngology	Professor
Ledoux, Alfred C.	Roentgenology	Instructor
Leichenger, Harry	Pediatrics	Associate
Levin, Benjamin M.	Pediatrics	Instructor
Levine, Arthur H.	Medicine	Assistant
LeVine, Howard J.	Medicine	Assistant
LeVine, Victor	Pathology	Associate
Levinson, Samuel A.	Pathology Medicine	Associate Professor Assistant Professor
Levinson, Sidney O.	Pediatrics	Instructor
Levinthal, Daniel H.	Orthopaedics	Assistant Professor
Levy, Herman A.	Medicine	Instructor

Name	*Department*	*Rank*
Lewison, Maurice	Medicine	Professor
Lewy, Robert B	Otolaryngology	Assistant
Lichtenstein, Ben W	Neurology, Neurological Surgery	Associate
Lifvendahl, Richard A	Obstetrics, Gynecology	Associate
Limarzi, Louis R	Medicine	Associate
Livingston, George S	Otolaryngology	Associate
Lotspiech, John E	Surgery	Instructor
Low, Abraham A	Psychiatry	Assistant Professor
Lueth, Harold C	Medicine	Associate
Lusk, Frank B	Medicine	Associate Professor
Lyon, Verne W	Criminology	Instructor
Lyon, Will F	Surgery	Assistant Professor
MacDougall, Elizabeth	Psychiatry	Assistant
MacFate, Robert P	Pathology	Associate
Mackay, Roland P	Neurology	Associate Professor
Malcolm, Robert B	Surgery	Associate Professor
Marquardt, George W	Surgery	Assistant
Marshall, William A	Orthopaedics	Associate
Mason, Herman C	Bacteriology, Public Health	Instructor
Matthies, Richard A	Surgery	Assistant
McArthur, Selim W	Surgery	Associate Professor
McCabe, John O	Orthopaedics	Assistant
McDaniels, Herbert E	Bacteriology, Public Health	Associate
McGill, Ernest C	Obstetrics, Gynecology	Assistant
McGuigan, Hugh A	Pharmacology	Professor
McKenna, Charles M	Surgery	Professor
McLaughlin, Jane R	Obstetrics, Gynecology	Instructor
McMillan, Foster L	Surgery	Associate
McMillian, J. Charles, Jr	Medicine	Instructor
Melnick, Perry J	Pathology	Associate
Mettler, Lee H	Neurology	Professor, *Emeritus*
Meyer, Harold I	Surgery	Assistant Professor
Meyer, Hershel	Medicine	Assistant
Meyer, Jacob	Medicine	Associate Professor
Miller, Leo F	Orthopaedics	Instructor
Miller, Milton L	Otolaryngology	Associate
Milles, George	Pathology	Assistant Professor
Minard, David	Physiology	Instructor
Mishkin, Herman L	Surgery Anatomy	Instructor Assistant
Mohr, George J	Criminology	Associate Professor
Montgomery, Max M	Medicine	Assistant
Moore, Ernest S	Medicine	Associate Professor, *Emeritus*
Mora, Jacob M	Surgery	Assistant Professor
Morwitz, Samuel M	Otolaryngology	Instructor
Mosko, Milton M	Medicine	Assistant
Muehlberger, Clarence W	Pharmacology	Lecturer
Murphy, Frank G	Orthopaedics	Assistant Professor
Murray, Warren G	Criminology	Lecturer
Nadeau, Oscar E	Surgery	Associate Professor
Nedzel, Alexander J	Bacteriology, Public Health	Associate Professor
Nelson, Tell	Medicine	Associate
Newberger, Charles	Obstetrics, Gynecology	Assistant Professor
Noyes, Helen M	Orthopaedics	Assistant
Ocasek, William C	Medicine	Assistant
O'Conor, Vincent J	Surgery	Associate Professor
Oden, Rudolph J. E	Surgery	Assistant Professor
Odgers, Stephen L	Orthopaedics	Assistant
Oldberg, Eric	Neurology, Neurological Surgery	Professor
Oliver, James V	Anatomy	Assistant
Olkon, David M	Psychiatry, Neurology	Assistant Professor
O'Malley, James E	Medicine	Assistant

Name	*Department*	*Rank*
Pace, Earle R	Dermatology	Instructor
Padnos, Emanuel	Pediatrics	Instructor
Palmer, Edward	Surgery	Assistant
Parker, Morris L	Surgery	Assistant
Paskind, Jacob	Psychiatry	Instructor
Pass, Bernard J	Medicine	Assistant
Passarelli, Edwin W	Medicine	Instructor
Pattengale, Nell T	Otolaryngology	Instructor
Pauker, Norbert	Pediatrics	Instructor
Pearlman, Benjamin	Medicine	Instructor
Peluse, Samuel	Otolaryngology	Instructor
Perce, Frances C	Criminology	Assistant
Percy, Nelson M	Surgery	Professor
Perlstein, Minnie O	Dermatology	Associate
Perlstein, Samuel	Medicine	Associate Professor
Petersen, Arthur S. J	Roentgenology	Assistant
Petersen, William F	Pathology	Professor
Phifer, Charles H	Surgery	Professor
Pick, John F	Surgery	Instructor
Pierce, Norval H	Otolaryngology	Professor, *Emeritus*
Pilot, Isadore	Medicine, Pathology	Associate Professor
Platin, Joseph W	Surgery	Instructor
Poncher, Henry G	Pediatrics	Associate Professor
Pontius, Guy V	Surgery	Associate
Portis, Bernard	Surgery	Assistant Professor
Post, George W., Jr	Surgery	Associate Professor
Poulson, Charles T	Medicine	Assistant
Propst, Duane W	Medicine	Assistant Professor
Puestow, Charles B	Surgery	Associate Professor
Pusey, William A	Dermatology	Professor, *Emeritus*
Rabens, Isidore A	Medicine	Assistant Professor
Ragins, Alex B	Pathology	Instructor
Ragins, Oscar B	Medicine	Assistant Professor
Rappaport, Ben Z	Medicine	Associate
Rattner, Herbert	Dermatology	Associate
Reals, William H	Pediatrics	Instructor
Reed, Carlos I	Physiology	Associate Professor
Rezek, George H	Obstetrics, Gynecology	Instructor
Rheingold, Joseph C	Psychiatry	Associate
Ricewasser, Jeannette C	Pediatrics	Assistant
Richman, Samuel H	Roentgenology	Instructor
Richter, Irving B	Pediatrics	Assistant
Rind, Rudla B	Medicine	Assistant
Riser, Roy O	Ophthalmology	Instructor
Ritch, Colquitt O	Surgery	Associate
Roberg, Norman B	Medicine	Instructor
Robins, Louis S	Pediatrics	Associate
Rogers, Samuel P	Orthopaedics	Assistant
Roll, Harvey C	Dermatology	Assistant
Rooney, Eugene J	Medicine	Assistant
Roos, Frederick J	Obstetrics, Gynecology	Instructor
Rose, Maurice J	Obstetrics, Gynecology	Instructor
Rosenblum, Philip	Pediatrics	Assistant Professor
Rosenblum, Samuel H	Medicine	Instructor
Rosenthal, Sol R	Bacteriology, Public Health	Associate
Ross, Edward	Psychiatry	Assistant
Roth, Harold A	Surgery	Assistant
Roth, John B	Medicine, Anatomy	Assistant
Rudolph, Abraham H	Medicine	Assistant
Sachs, Mandel	Psychiatry	Assistant
Sahlstrom, Edward C	Surgery	Assistant
Saltiel, Thomas P	Pediatrics	Associate

Name	*Department*	*Rank*
Saphir, Otto	Pathology	Associate Professor
Sarma, P. Joseph	Surgery	Assistant Professor
Savitt, Louis	Otolaryngology	Assistant
Schacht, Frederick W	Surgery	Instructor
Scheffler, Milton M	Obstetrics, Gynecology	Assistant
Schell, Milton C	Medicine	Assistant
Schmidhofer, Ernst	Anatomy	Assistant
Schmidt, Hilmar R	Roentgenology	Assistant
Schneider, Maurice	Pediatrics	Instructor
Schneider, Philip F	Obstetrics, Gynecology	Instructor
Schoolman, Joseph G	Otolaryngology	Assistant
Schorr, Henry C	Dermatology	Instructor
Schroeder, Paul L	Criminology	Professor
Schultz, Louis	Surgery	Professor, *Emeritus*
Schultz, Louis W	Surgery	Assistant Professor
Schwartz, Harry R	Medicine	Assistant
Sciarretta, Sylvio A	Otolaryngology	Instructor
Scuderi, Carlo S	Surgery	Associate
Seed, Lindon	Surgery	Associate Professor
Seidmon, Edward E. P	Bacteriology, Public Health	Instructor
Senear, Francis E	Dermatology	Professor
Shannon, Charles E	Orthopaedics	Assistant
Shapiro, Sherman L	Otolaryngology	Assistant Professor
Shellow, Harold	Dermatology	Instructor
Sherman, Irene C	Psychiatry	Associate
Shure, Norman	Medicine	Assistant
Siegal, Henry A	Medicine	Associate
Siemon, Beatrice C	Hospital Laboratory	Assistant
Simer, Parke H	Anatomy	Assistant Professor
Singer, H. Douglas	Psychiatry	Professor
Singer, John D	Medicine	Assistant
Skorodin, Bernard	Psychiatry	Assistant
Sladek, William R	Medicine	Assistant
Slaughter, Danely P	Surgery	Assistant
Sloan, Leroy H	Medicine	Professor
Smith, C. Otis	Obstetrics, Gynecology	Instructor
Smith, Hiram J	Ophthalmology	Assistant Professor
Solomon, Alfred P	Psychiatry	Assistant Professor
Sonenthal, Israel R	Psychiatry	Assistant
Sorensen, Raymond E	Surgery	Assistant
Spaeth, Ralph	Pediatrics	Instructor
Spellberg, Mitchell A	Medicine	Assistant
Spiesman, Irwin G	Otolaryngology	Associate
Spivack, Julius L	Surgery	Assistant Professor
Steck, Irving E	Physiology, Medicine	Instructor
Steigmann, Frederick	Medicine	Associate
Stein, Emil J	Surgery	Associate
	Anatomy	Instructor
Stephens, Virgil R	Surgery	Associate
Stone, Frank L	Obstetrics, Gynecology	Assistant Professor
Strauss, Sidney	Medicine	Professor
Streicher, Michael H	Medicine	Assistant Professor
Strohl, Everett L	Surgery	Assistant
Struck, Harold C	Physiology	Associate
Stuart, Carroll W	Bacteriology, Public Health	Instructor
Sukov, Marvin	Criminology	Instructor
Suldane, John A	Pediatrics	Instructor
Summerville, Milton J	Obstetrics, Gynecology	Associate
Szurek, Stanislaus A	Psychiatry	Associate
Takats, Géza de	Surgery	Associate Professor
Tarnowsky, George de	Surgery	Professor
Terman, Louis A	Medicine	Assistant

Name	*Department*	*Rank*
Teton, Joseph B	Obstetrics, Gynecology	Assistant
Theobald, John J	Otolaryngology	Assistant Professor
Theobald, Walter H	Otolaryngology	Assistant Professor
Thomas, Henry B	Orthopaedics	Professor
Thorek, Philip	Anatomy, Surgery	Assistant
Tice, Frederick	Medicine	Professor, *Emeritus*
Tigay, Clara D	Pediatrics	Instructor
Timblin, William S	Medicine	Instructor
Tinsley, Milton	Neurology, Neurological Surgery	Assistant
Toriello, Lawrence A	Illustration	Photographer
Turner, Horace E	Medicine, Orthopaedics	Assistant
Tuta, Joseph A	Pathology	Associate
Vacin, Milo E	Anatomy	Assistant
Van Alyea, Oliver E	Otolaryngology	Associate
Vander Kloot, Albert	Medicine	Assistant Professor
Van Hazel, Willard	Surgery	Associate Professor
Wachowski, Theodore J	Roentgenology	Associate
Wade, Chester	Psychiatry	Assistant
Wagner, David H	Surgery Anatomy	Instructor Assistant
Wakerlin, George E	Physiology	Professor
Wall, Harry C	Medicine	Assistant
Wall, John W	Otolaryngology	Assistant
Wallheiser, LaVerne M	Obstetrics, Gynecology	Assistant
Wasick, Milan M	Bacteriology, Public Health	Instructor
Webb, Richard L	Anatomy	Assistant Professor
Weber, Leonard F	Dermatology	Assistant Professor
Weihe, Arthur R	Anatomy	Assistant
Weinfeld, Gustave F	Pediatrics, Criminology	Associate
Weiss, Emil	Bacteriology, Public Health	Associate
Weiss, Morris	Medicine	Assistant
Welker, William H	Physiological Chemistry	Professor
Wernicke, Henry O	Surgery	Associate
Whitcomb, Frances C	Pathology	Assistant
White, Adeline R	Anatomy	Assistant, *Emeritus*
Wien, Max S	Dermatology	Associate Professor
Wien, Norman A	Medicine	Assistant
Wilburn, Homer V	Medicine	Assistant
Williams, Ernest B	Medicine	Assistant
Wilson, Franklin S	Medicine	Assistant Professor
Wolf, Abraham A	Pediatrics	Assistant
Wolff, John R	Obstetrics, Gynecology	Instructor
Wood, Casey A	Ophthalmology	Professor, *Emeritus*
Worthington, Major H	Criminology	Lecturer
Yarros, Rachelle S	Social Hygiene	Professor
Zechel, Gustav L	Anatomy Surgery	Assistant Professor Associate
Zeitlin, Howard	Neurology, Neurological Surgery	Instructor
Ziegler, Lloyd H	Psychiatry	Lecturer
Zimmermann, Arnold A	Anatomy	Associate Professor

THE COLLEGE OF MEDICINE

History

The College of Medicine opened its doors on October 14, 1881, as a proprietary medical school known as "The College of Physicians and Surgeons of Chicago." It first became affiliated with the University of Illinois in 1897, the name was officially changed in 1900 to "The College of Medicine of the University of Illinois," and in 1913 all the property and the stock of the old institution were transferred to the University.

Buildings

The first unit of the Medical and Dental College Laboratories Building, facing on Polk and Wolcott Streets, and connecting directly with the Research and Library Building on the north and with the Research and Educational Hospital on the south, has been in operation since 1931. A new unit, which houses the College of Dentistry and provides additional laboratory and research space for several departments of the College of Medicine, has been completed and was occupied in November, 1937. The new unit, facing on Polk and Wood Streets, connects directly with the first unit and also with the Research and Educational Hospital. In addition to the large laboratories for class work, there are numerous small laboratories designed for individual research projects.

The Medical and Dental Library, centrally located on the first floor of the Medical and Dental College Laboratories Building, contains a comprehensive collection of standard and modern works on medical, dental, and allied subjects. Over 50,000 volumes of books and bound periodicals are available to faculty members and students of the Colleges of Medicine and Dentistry, and to practising physicians and dentists for reference use. Approximately 600 of the most important medical and dental periodicals are received currently. The Library has two reading rooms which seat 215 persons. It is open from 8:30 A.M. to 10:00 P.M., Monday through Friday, and from 8:30 A.M. to 5:00 P.M. Saturday. The closing hour in summer is 5:00 P.M. during the week, and 12:00 M. Saturday.

The Department of Public Welfare of the State of Illinois has constructed an extensive group of hospitals and laboratories adjoining the buildings of the University and has made a cooperative agreement by which additional facilities for teaching and investigation are afforded to the faculty of the College of Medicine. The units now in operation include the Research and Educational Hospital, the Out-Patient Dispensary, the Orthopaedic Institute, the Psychiatric Institute, and the Institute for Juvenile Research.

The Research and Educational Hospital, planned and built for teaching and investigation, with 400 beds, connects directly with the classrooms and laboratories of the College of Medicine. Each year nearly 6,000 patients, all charity cases, are admitted. The Obstetrical Department handles approximately 1,000 deliveries each year, seventy per cent of which are in the hospital, with the remainder cared for at home. There are seven surgical operating rooms, two with large and the remainder with small amphitheatres. A well-equipped cancer clinic was opened in the fall of 1938, with a 400,000-volt therapeutic x-ray machine and a supply of radium. The entire hospital is used in teaching the medical students their clinical work.

The Out-Patient Dispensary, which occupies the main floor of this hospital, possesses adequate and comfortable waiting rooms, suitable suites for all divisions of clinical work, a large amphitheatre, electrocardiograph and hydrotherapeutic units, and rooms for preparing and dispensing drugs. The Dispensary is divided into thirteen departments: medicine, surgery, urology, obstetrics, gynecology, pediatrics, orthopaedics, otolaryngology, dermatology, ophthalmology, neurology, psychiatry, and roentgenology. At present the number of treatments is limited to about 125,000 per year. The Otolaryngology Department has recently acquired a biplane fluoroscope for the location of foreign bodies in the lungs and bronchial passages and for aiding in the study of pulmonary pathology.

The Illinois Surgical Institute for Children, known commonly as the Orthopaedic Institute, has beds for 130 patients, with complete physiotherapy and hydrotherapy equipment. It has also a therapeutic pool, solarium for group ultraviolet treatment, school rooms, occupational therapy facilities, a recreational room, a large research laboratory, and a complete shop for manufacturing braces and plaster casts.

The Psychiatric Institute has been planned as a central research institute for the entire state. There are now sixty beds for psychotic cases. A new neuro-psychiatric building to accommodate 150 patients is under construction. Active teaching is done both in the dispensary and in the wards.

Active teaching is also being conducted at the present time in the following hospitals: the Cook County Hospital, the Municipal Contagious Hospital, the Augustana Hospital, and the St. Luke's Hospital.

Admission

Applications for admission must be made to the Examiner of the College of Medicine in Chicago. Credentials covering all college and high school work must be sent directly to the Examiner from each institution attended. No student who is on scholastic probation at, or who has been dropped for poor scholarship from, the last institution attended prior to seeking admission will be considered. The number of first-year students is restricted by space limitations.

Since the class list is made up near the end of June, completed applications including all credentials should be in the Examiner's Office before that time.

First-year students are enrolled only at the beginning of the fall semester. There is no mid-year admission and no regular summer session.

Three-Year Requirements.—Candidates for admission who meet the following three-year requirements are given preference. If in any year the number of candidates who meet these requirements does not equal the number who can be accommodated efficiently in the first-year class, the remaining places in the class will be assigned to the candidates who meet the old two-year requirements and who have the highest grade point averages. These requirements include seven years of study as follows:

(1) Four years in an accredited high school or the equivalent, with not fewer than fifteen units of credit.

(2) Not less than eighty-eight semester hours in a recognized college or university, exclusive of military, hygiene, and physical education. Each applicant, whether from the University of Illinois or from another institution, must have attained a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (*see note 1, page 27*). In determining the scholastic average, grades received in military science, physical education, and hygiene will not be considered. The eighty-eight semester hours must include the following:

	Semester Hours
Chemistry (including, in addition to introductory courses, four hours of organic chemistry, three hours of quantitative analysis, and three hours of elementary physical chemistry), not less than.....	16
Physics (including laboratory work in mechanics, heat, sound, light, and electricity), not less than..................................	8
Biology (including general and vertebrate zoology and general embryology), not less than..................................	10
English, not less than..	6
German or French (*see note 3, page 27*), not less than..............	6
Social sciences (including elections from at least two of the following fields: anthropology, economics, history, philosophy, political science, psychology, and sociology)............................	14
Electives to make a total of.......................................	88

The Dean and the Registrar may waive full compliance with the course specifications if the applicant possesses unusually high qualifications.

No conditions are permitted.—The requirements for admission as stated above must be met in full before admission will be granted. No deficiencies are permitted.

Health certificate.—Each applicant for admission, before he will be permitted to register, must present a certificate from his family physician indicating (a) good physical condition, (b) freedom from respiratory and dental infections, (c) successful vaccination against smallpox, and (d) Schick and Dick reactions. If a student is unable to show negative Schick and Dick reactions, he must report to the University

Health Officer for immunization before registration for the second year. Physical examinations by the University Health Service prior to registration for the first year are compulsory, and an X-ray chest plate is made of each student, a special fee of $1.50 being assessed for this service. Throughout the entire medical course the University Health Service makes every possible effort to assist each student in solving his own health problems.

Renewing applications.—An applicant who has been granted admission to the College of Medicine but fails to enroll, and who wishes to enter in a subsequent year, must reapply for admission and must meet all the requirements in force at the time of such new application.

Procedure for students who have completed their pre-medical work at the University of Illinois.—The eight-year medical curriculum offered by the University consists of three years of pre-professional work at Urbana, including the subject requirements stated above, two years of pre-clinical work in the College of Medicine in Chicago (after this pre-clinical work a B.S. degree may be given), two years of clinical work in the College of Medicine (for the four years in the College of Medicine the student at his option may receive the degree of Bachelor of Medicine), and one year as an interne in a hospital approved by the University. The registration of students at Urbana who have completed the requirements of the first three years of the medical curriculum (the pre-professional work) is continued in the College of Medicine, provided that at least the second and third years of the pre-professional work have been completed at Urbana. Registration of students entitled to continue in the College of Medicine is subject to the following conditions:

(1) The student who wishes thus to continue his work in the University must signify his intention to the Registrar, on a form provided by the Registrar, not later than March 1 of the year in which he proposes to continue his work in the College of Medicine in Chicago.

(2) The student must comply with the general regulations for registration in the University in the medical course. This includes the payment of a deposit of $15.00 within two weeks of the date of notification that he will be admitted. Failure to pay this deposit within the specified time will subject the applicant to forfeiture of his place. If he enters, the deposit will be applied on the fees of the first semester.

(3) No student who is on probation in the University (or who has been dropped from the University for poor scholarship) at the time he seeks to continue his University registration in the College of Medicine, has any claim to precedence in registration over students who come with clear records from the University of Illinois or other institutions.

(4) No student at Urbana will be permitted to transfer his registration to the College of Medicine while his record shows a deficiency in any of the subjects which, as general requirements of the University, are a part of his curriculum.

(5) The registration of non-residents of Illinois can be continued in the College of Medicine only provided there is room after all properly qualified residents of the State have been accommodated.

Procedure for students who have completed their pre-medical work at institutions other than the University of Illinois.—The order of admission to the College of Medicine of students who have had their pre-medical work at other institutions shall be based upon their scholastic records; provided that the minimum scholastic average in all cases shall be equivalent to a 3.5 average in the University's grading system, as now required. The scholastic records of all such applicants shall be averaged on or about July 1 and the first-year class shall be filled by assigning to it applicants in the order of their scholastic standing, beginning with the highest ranking applicant; vacancies which may occur after all places in the class have been assigned may be filled from the remaining applicants in the order of their scholastic standing.

Preference to Illinois residents.—In considering applications for admission to the College of Medicine, preference is given to candidates who are residents of Illinois. Places in the first-year class shall be assigned to applicants from Cook County and to applicants from Illinois outside of Cook County in the proportion which each area bears to the total population of the state according to the latest federal census; provided that if at any time the quota from either area is not filled the remaining places may be assigned to applicants from the other area. On this basis at the present time approximately fifty per cent of the places in the first-year class will be assigned to applicants from Cook County and fifty per cent to applicants who are residents of Illinois outside of Cook County.

Former two-year requirements.—If there are places in the first-year class of the College of Medicine after all properly qualified three-year candidates (see three-year requirements above) have been accommodated, such places will be filled by scholarship rank from candidates who meet the former two-year requirements, which are as follows:

(1) Four years of work in an accredited high school or the equivalent, comprising not fewer than fifteen units in acceptable subjects, including prescribed subjects as follows:

	UNITS
English	3
Algebra	1
Plane geometry	1
Latin, Greek, German, or French (both units in the same language)	2
History and civics	1
Electives	7
Total	15

(2) Two years of work in a recognized college or university, comprising not less than sixty semester hours, exclusive of military, hygiene, and physical education. Each applicant, whether from the University of Illinois, or from other institutions of recognized standing, must have attained in his pre-medical work a scholastic average of not less than 3.5, or its equivalent as determined by the University of Illinois for institutions using a different grading system (*see note 1, below*). In determining the scholastic average, grades received in military science, physical education, and hygiene will not be considered. The work must include prescribed and elective subjects as follows:

	SEMESTER HOURS
Chemistry (including four hours of organic chemistry)	12
Physics (at least two hours of laboratory work)	8
Zoology (at least four hours of laboratory work, *see note 2, below*)	8
English	6
German or French (*see note 3, below*)	6
Electives outside of the chemical, physical, and biological sciences (*see note 4, below*)	6
Free electives (*see note 4, below*)	14
Total	60

NOTE 1: GRADES.—This rule is interpreted according to the number of passing grades. In a system of four passing grades, A, B, C, and D, the literal grades are translated into figures as follows: A = 5; B = 4; C = 3; D = 2; E (failure) = 1. Where there are more or less than four passing grades, the computation is adjusted to make the same level of accomplishment apply. The individual grades are multiplied by the respective number of semester hours which each represents, and the sum of these products is divided by the total number of semester hours taken. In the case of courses previously passed, both grades earned will be counted in computing the average.

NOTE 2: ZOOLOGY.—Four of these eight semester hours must consist of laboratory work. This requirement must include a course in general zoology and one in vertebrate zoology. Botany is not accepted as meeting any part of the requirement.

NOTE 3: GERMAN, FRENCH.—The student is urged to secure a reading knowledge of one of these languages. This will ordinarily require at least six hours of work in the same language in college after two years in high school, or two full years of work (in a class reciting at least three periods a week) in college if the language was not begun in high school.

NOTE 4: ELECTIVES.—Psychology should be the first elective for pre-medical students and Mathematics the second elective. Other electives may be chosen from the following: Botany, Chemistry (physical, and quantitative analysis), Drawing, Economics, English, Greek, History, Latin, Logic, Political Science, Sociology, Zoology.

Courses Offered at Urbana

Attention is called to the fact that the University at Urbana offers the student his choice of the following combinations:

1. *An eight-year curriculum*—three years in the College of Liberal Arts and Sciences at Urbana, followed by four years in the College of Medicine in Chicago and one year as an interne in a hospital approved by the University. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts or Bachelor of Science. On the completion of the remaining two years in the College of Medicine and the interne year they receive the degree of Doctor of Medicine.

2. *A nine-year curriculum*—four years in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts or Bachelor of Science, followed by four years in the College of Medicine in Chicago and the interne year, leading to the degree of Doctor of Medicine. This course of study is recommended to students who are of the average age of graduation from the public high schools.

Advanced Standing

Because of the limitations of space, the membership of each class is strictly limited. Applications for admission with advanced standing to any class will not be considered until vacancies are certain to occur. In case there are vacancies to be filled preference will be given to those applicants who are residents of Illinois and who present the strongest records.

In general, the administration cannot determine definitely whether there will be vacancies, or the number of vacancies, until the day of registration.

No student who is on probation at, or who has been dropped for any reason from, a college of medicine will be considered for admission.

Requirements for Graduation

For the Bachelor of Science Degree.—A student must have secured passing grades in all the courses of the first two years in the College of Medicine and have earned grades of 75% ("C") in at least three-fourths of the total hours in the courses of these two years.

For the Certificate in Medicine or the Bachelor of Medicine Degree.—Upon the completion of four years in attendance at an approved medical school, of which at least the last year must have been at the University of Illinois, the completion of the prescribed curriculum, and the passing of the comprehensive examinations required at the end of the fourth year, the student is awarded a Certificate in Medicine, or if he wishes to pay the additional fee of $10.00, he may elect to take the degree of Bachelor of Medicine.

For the Doctor of Medicine Degree.—To receive the degree of Doctor of Medicine, the student, after having qualified for the Certificate in Medicine (see preceding statement), must complete satisfactorily a course of not less than twelve months duration in a hospital approved by the University of Illinois,[1] or a year of research work acceptable to the University. He must also have shown evidence of good moral character and have paid all indebtedness to the University.

Graduation with Honors.—A student who complies with the requirements for graduation and who attains in all work presented for the degree, the average grade specified below, may be recommended by the University Senate for the honors stated; for an average grade of not less than 87%, Graduation with Honors; for an average grade of not less than 90%, Graduation with High Honors. The honors conferred shall be noted upon the diploma and the Commencement program.

Plan of Instruction

The program of the student during his five years in the College of Medicine is arranged according to the following plan:

During the first two years the work is confined mainly to the fundamental sciences, and the time of the student is largely spent in the laboratory. During the first year he studies anatomy, histology, embryology, neurology, chemistry, and physiology. In the second year the study of physiology is continued, and in addition the student takes up bacteriology, pathology, laboratory diagnosis, pharmacology, physical diagnosis, and hygiene.

Throughout the first two years there is definite correlation between the clinical and the pre-clinical courses. A regular schedule of lectures by clinical instructors is followed in the courses in anatomy, physiology, and physiological chemistry, to give the student an understanding of the practical applications of the fundamentals which he is studying.

During the third and fourth years the time is devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics. In the dispensary the student examines the cases personally under the guidance of instructors. He is required to make laboratory examinations pertaining to his own

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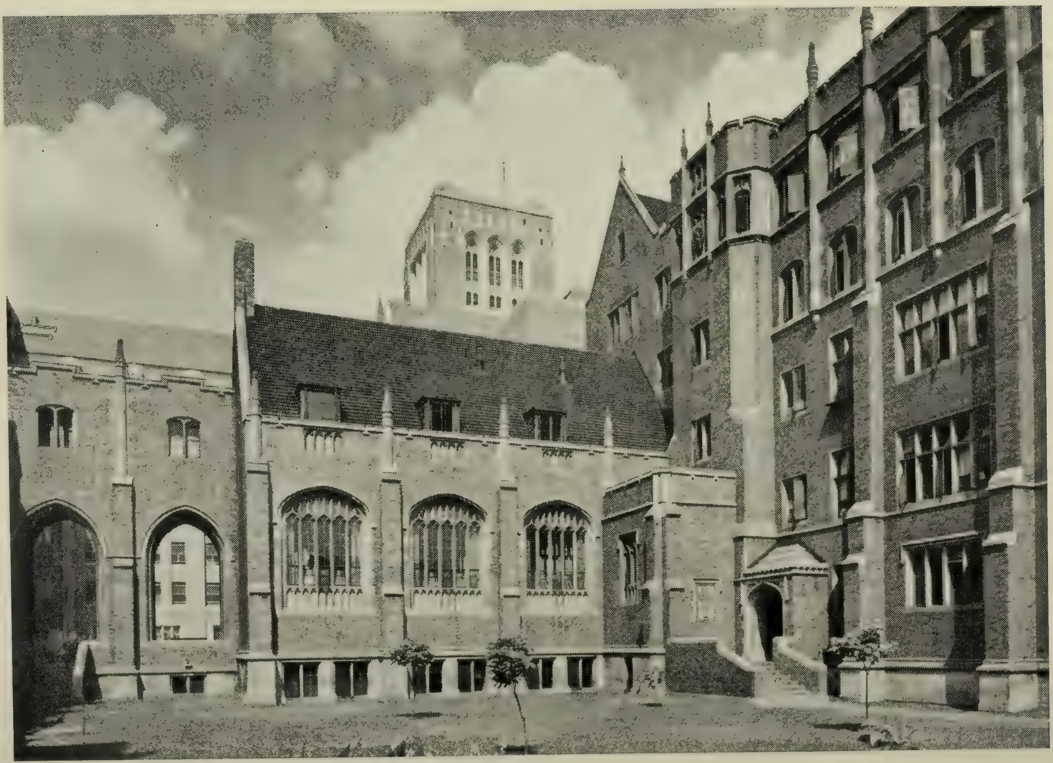
[1] See Medical Practice Act of the State of Illinois, Senate Bill No. 439, approved June 30, 1923.

MEDICAL AND DENTAL COLLEGE LABORATORIES BUILDING



LIBRARY AND PASSAGEWAY TO HOSPITAL WITH NEW LABORATORY BUILDING IN BACKGROUND

SUMMARY OF CLOCK HOURS—FIRST AND SECOND YEARS

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
FIRST YEAR					
Anatomy, Gross	40	128	40	112	320
Histology	24	72	12	36	144
Embryology	24	48	..	..	72
Neurology	..	..	24	48	72
Physiological Chemistry	32	64	32	64	192
Physiology	..	..	64	48	112
Total	120	312	172	308	912
SECOND YEAR					
Bacteriology	36	108	..	..	144
Hygiene	..	..	32	..	32
Medicine	16	..	..	..	16
Physical Diagnosis	..	..	16	32	48
Pathology, General	42	48	90	120	300
Pathology, Clinical	..	..	32	72	104
Pharmacology	32	96	48	32	208
Physiology	80	96	..	..	176
Psychiatry	..	..	16	..	16
Surgery	..	..	16	..	16
Total	206	348	250	256	1,060

SUMMARY OF CLOCK HOURS—THIRD AND FOURTH YEARS

Subjects	Lecture and Quiz	Laboratory	Clerkship	Dispensary	Clinic	Total
THIRD YEAR						
Anaesthesia	8	..	..	..	..	8
Autopsies and Pathology	16	64	..	..	..	80
Criminology	16	..	..	..	..	16
Dermatology	32	..	..	..	..	32
Hygiene and Public Health	16	..	..	..	..	16
Medicine	64	..	101	..	112	277
Neuro-Surgery	16	..	..	..	16	32
Obstetrics and Gynecology	64	16	24	24	16	144
Orthopaedics	16	..	..	24	16	56
Otolaryngology	48	..	..	..	..	48
Pediatrics	32	..	17	..	24	73
Psychiatry	16	..	..	..	..	16
Therapeutics	32	..	..	..	..	32
Surgery	80	..	34	48	80	242
Urology	16	..	..	..	..	16
Electives	64	..	..	..	..	64
Total	536	80	176	96	264	1,152
FOURTH YEAR						
Anatomy, Topographic	..	64	..	..	..	64
Dermatology	..	..	..	12	32	44
Gynecology	48	..	48	12	32	140
Hygiene	32	..	..	..	..	32
Jurisprudence	16	..	..	..	..	16
Medicine	..	30	..	96	160	286
Neuro-Surgery	..	..	..	24	48	72
Obstetrics	..	16	2 weeks[1]	..	32	48
Ophthalmology	16	..	..	40	..	56
Orthopaedics	..	..	6	..	..	6
Otolaryngology	..	..	..	24	16	40
Pediatrics	..	..	18[2]	24	48	90
Psychiatry	..	..	24	20	40	84
Roentgenology	32	..	..	12	..	44
Surgery (includes Anaesthesia)	..	..	96[3]	..	96	192
Urology	..	..	..	24	8	32
Electives	176	..	..	..	..	176
Total	320	110	192	288	512	1,422

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[1] On call full time, 24 hours per day.
[2] Municipal Contagious Hospital.
[3] Includes four-week ward clerkship in Research and Educational Hospital.

cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has opportunity to follow and repeat these and to learn the technique involved.

Throughout the third year emphasis is laid on the acquisition of a thorough knowledge of clinical problems. There are didactic quiz courses in surgery, medicine, pediatrics, obstetrics, urology, orthopaedics, and otolaryngology. In addition to these didactic courses the students attend clinics in each field and spend a large amount of time in the dispensaries (surgery, otolaryngology, obstetrics, and orthopaedics). They also spend a minimum of three hours per day for eight weeks in the wards of the Research and Educational Hospital and the Cook County Hospital, learning the fundamentals of physical diagnosis and treatment.

In the fourth year the class is divided into two sections; the students in each section attend clinics and lectures during one semester and work in dispensaries and laboratories and on clinical clerkships during the other semester. Each student is required to spend two full weeks, living in quarters specified by the University, on call for twenty-four hours per day for the obstetrical out-patient service. During this clerkship two students are called for each delivery in the Research and Educational Hospital and to attend each delivery supervised through the out-patient service. Each student also spends a week in the gynecology and obstetrics wards and operating rooms in Cook County Hospital.

All students have experience in the following dispensaries in the fourth year: dermatology, gynecology, medicine, neurology, ophthalmology, pediatrics, roentgenology, and urology. They also work in the general "Admitting Clinic" of the Research and Educational Hospital and spend three weeks in the laboratory, making the common practical tests for dispensary patients. Each student serves a one-week clerkship in the Municipal Contagious Hospital, observing and studying the common contagious diseases. Clerkships are also conducted in the Orthopaedic and Psychiatric Institutes. There is also a four-week surgical clerkship including individual work in wards and operating rooms.

Cook County Hospital charges each third and fourth year student an annual fee of $5.00 for the privilege of attending classes, clinics, clerkships, ward rounds, etc., in the hospital. This fee may be paid at the Business Office at any time during the first semester. It must be paid before the start of the second semester.

In the third year the student must elect two hours per week in each semester. In the fourth year, five and one-half hours per week of elective work much be taken, at least one hour of which must be in surgery. This elective work of the third and fourth years may be either in pre-clinical or clinical subjects. A student may in this way emphasize his training in some particular field. The elective work may be counted for graduate credit provided the student qualifies as required by the Graduate School.

The examinations at the end of the second and fourth years are of a comprehensive nature and may be either written or oral.

The fifth year consists of twelve months of interne service in a hospital approved by the University. During the fourth year the students apply to the hospitals in which they wish to serve as internes and, if successful, sign contracts for the service desired. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in any way with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the requirements of the curriculum.

Since the Colleges of Dentistry and Medicine now occupy the same building, the faculties of the two colleges are able to cooperate on mutual problems to an extent formerly impossible. Much of the teaching in each college is thus on a higher level through the ability to call on the staff of the other college. The staffs continually collaborate on research problems. The same type of cooperation extends to the staff of the University at Urbana.

Significance of Grades

The percentage system of grading is used, and 70% is the passing grade. Where it is necessary to translate percentage to literal grades the following values are used: "A," 92 to 100%; "B," 85 to 91%; "C," 75 to 84%; "D," 70 to 74%.

Admission to Licensing Examinations in England

The Royal College of Physicians and Surgeons added the University of Illinois to the list of universities whose medical departments are recognized by that Board. By this action graduates of this institution are exempt from all preliminary examinations and are admitted to the final licensing examination of the Examining Board.

Fees[1] and Expenses

Matriculation Fee.—(Paid by each new student who has not previously registered in the University of Illinois) .... $ 10.00

Tuition and Laboratory Fees:

	First Year		Second Year[2]		Third Year		Fourth Year[2]	
	1st Sem.	*2nd Sem.*	*1st Sem.*	*2nd Sem.*	*1st Sem.*	*2nd Sem.*	*1st Sem.*	*2nd Sem.*
Tuition	$75.00	$75.00	$75.00	$75.00	$75.00	$75.00	$75.00	$75.00
Laboratory	33.00	48.00	56.00	38.50	65.00	65.00	65.00	65.00
Total	$108.00	$123.00	$131.00	$113.50	$140.00	$140.00	$140.00	$140.00

Note: The above fees are for students entering in September, 1936, and thereafter. (For fees applicable to other students, see Circular for 1936-37.)

Although non-resident students have not been considered for a number of years, the non-resident tuition fee has been set at $112.50 per semester with the same laboratory fees as listed above.

Late Registration Fee.—Former students who enter after the registration days pay a late registration fee of .... $ 5.00

Chest X-ray Fee.—(Paid by each student entering the College of Medicine, to cover expense of X-ray examination of the chest in connection with the physical examination required before registration) 1.50

Special Examination Fee.—For any special examination a fee of 5.00

Change Fee.—For every change of study-list made later than the Saturday noon following registration, a fee of $1.00 is charged, except that the total charge for the rearrangement authorized on any one change-slip shall not exceed 2.00

(The above ruling applies to registration for electives after the dates specified for regular registration.)

Transcript Fee.—Each student who has paid all his University fees is entitled to receive, without charge, one transcript of his record. For additional transcripts, charges are made as follows:

For each original, or first, copy 1.00
For each carbon copy .... .50

County Hospital Ticket.—Compulsory for third-year and fourth-year students .. 5.00

Obstetrical Out-Patient Clerkship Service Fee.—Required of all fourth-year students 15.00

Listener's or Visitor's Fee.—For each 25 clock hours, or fraction thereof:

Residents of Illinois pay 10.00
Non-residents of Illinois pay 20.00

Special Fees.—A number of the departments offer Special Courses for Physicians. The fee for each of these courses is $75.00 a semester plus laboratory and clinic fees. Where registrations are accepted for one-half a course or less, the tuition fee is $50.00 a semester. Laboratory and clinic fees are determined for each individual registration jointly by the department concerned, the Registrar's Office, and the Business Office, on the basis of the cost of the materials involved. Fees are assessed and collected at the time of registration. Members of the staffs of the University of Illinois, the Research and Educational Hospitals, the Institute for Juvenile Research, the Cook County Hospital, and the Cook County Morgue are permitted to attend the lectures in these courses without paying the special fees. (No members of the instructional staff are allowed to accept special fees.)

Unclassified Students.—Fees charged unclassified students are based on the amount of work taken.

Payment of Deferred Fees.—In cases of necessity, students may arrange for deferment of fees by calling at the Business Office, Room 110, Medical and Dental College Laboratories Building.

A service charge of ten per cent of the amount of fees deferred, but not to exceed

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[1] The Trustees reserve the right to change the fees at any time through publication in the annual announcement. Laboratory fees are subject to adjustment from year to year.

[2] Graduation fee of $10.00 is required, payable at the end of the second year by students receiving the B.S. degree, and at the end of the fourth year by students receiving the Certificate in Medicine. Payment for the latter covers the M.D. graduation fee. Students receiving the B.M. degree pay, at the end of the fourth year, two graduation fees of $10.00 each, one for the B.M. degree and one for the M.D. degree.

$3.00 a semester will be charged for the privilege of deferring fees, and this charge *must be paid on Registration Day.* If deferred fees are paid in full within ten days from the date of registration, the service charge will be refunded *except* that a minimum service charge of $1.00 will be retained by the University in all cases. The matriculation fee of $10.00 (if not previously paid), the service charge, not less than twenty-five per cent of the current semester fees, and all fees and charges from previous semesters must be paid *on Registration Day.* Failure to meet payments of fees within the time limits will cancel at once the privilege of attending classes. Registration is not completed until fees are paid in full, and no credit will be recorded for class work completed unless all fees and all other charges have been paid in full. Deferred payment of fees delays the completion of registration but extends the privilege of attending classes pending payment of fees in full as described above.

Deposit.—An applicant for admission to the College of Medicine who is assigned a place in any class, is required to make a deposit of $15.00 within two weeks of the date of notification that he will be admitted. This deposit will be applied on fees, including laboratory fees, assessed against him during the first semester. Failure to pay this deposit within the specified time will subject the applicant to the forfeiture of his place. No deposit will be returned unless the applicant notifies the College of Medicine not later than September 1 that he will not be able to enter. The Registrar is authorized to make refunds after September 1 when, in his judgment, the circumstances so justify.

Refunds.—If a student withdraws from the University within ten days after the beginning of instruction, the total amount of his fees will be refunded with the exception that neither the matriculation fee nor the $15.00 deposit is refundable. After ten days and before the expiration of one month, a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months, a refund of one-half of these fees will be made. After two months and before the expiration of three months, a refund of one-fourth of these fees will be made. After the expiration of three months, no part of the fees will be refunded.

Fees for Part-Time Students.—Effective for new students entering in September, 1936, and thereafter. (For partial fees applicable to other students, see Circular for 1936-37.)

Residents of Illinois registered for partial programs pay fees as follows: In first-year and second-year courses, 25 cents per clock hour, plus regular laboratory fees in the courses for which the student registers. In third-year and fourth-year courses, 20 cents per clock hour, plus full laboratory fees and an additional 15 cents per clock hour for courses involving dispensary or infirmary.

Non-state students registered for partial programs pay one and one-half times the above stated clock hour fees, except for dispensary and infirmary.

In no case will a part-time student be assessed a larger fee than the regular fees for full-time work.

Alumni are admitted to all regular undergraduate courses without charges except in laboratory work in which a charge is made for material used.

Books, etc.—The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of textbooks. Each student is required to provide himself with a compound microscope and a haemocytometer equipped to meet the requirements of the work of the curriculum.

Living Expenses.—The expenses of living in Chicago are less than in most large cities. From forty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs. A ten-story Y.M.C.A. building located three blocks from the College affords a comfortable home for students.

Scholarships and Loan Funds

Rea Scholarships.—Through the generosity of the late Professor R. L. Rea, four scholarships each year, awarded by the officers of the faculty, are provided for worthy students. For the session of 1938-1939, these scholarships were granted to the following students: Henry S. Bernet, Glenn A. Hoss, Leland J. Mortenson, LeRoy E. Walter.

Theodore B. Shnitzer Memorial Scholarship.—An annual award of $100 has been made available to a needy Jewish student who ranks in the upper half of his class and who has completed at least one year in the College of Medicine. The scholarship is awarded by a committee of the faculty. In 1938 this scholarship was awarded to Milton Feinberg.

Charles Spencer Williamson Memorial Scholarship.—The faculty and other friends of the late Professor Williamson, for many years Head of the Department of Medicine, have established an endowment fund, the proceeds of which will become an annual scholarship for a capable and needy student, either graduate or undergraduate, the awards to be made by the Dean and the Head of the Department of Medicine. In 1939 this scholarship was awarded to Harve William Jourdan, Jr.

Note.—Students holding the following undergraduate scholarships are exempt from matriculation and tuition fees, but are required to pay all laboratory and dispensary fees:

General Assembly Scholarships.—One nomination annually by each member of the General Assembly. Under the law, nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

State Military Scholarships.—For World War Veterans. Special provisions passed by the General Assembly in 1919.

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University, Urbana.)

Loan Funds.—A number of loan funds have been established for the benefit of worthy students who are in need of financial aid in order to finish their courses in the University. For more detailed information, apply to the Dean's Office.

Lectureships

In commemoration of members of the alumni, faculty, and student body who lost their lives during the World War, the alumni, faculty, and students have raised a fund sufficient to establish a Memorial Lectureship. At least one lecture is delivered annually by a prominent educator on a subject of general medical interest.

In accordance with the will of Mrs. Albertina Gehrmann, widow of Dr. Adolph Gehrmann, for many years Professor of Bacteriology and Hygiene in the College of Medicine, the sum of $10,000 was given for the establishment and support of a lectureship in memory of Dr. Gehrmann. The fourteenth series of these lectures was delivered in April, 1939, by Dr. Herbert C. Clark, of the Gorgas Memorial Institute of Tropical and Preventive Medicine, Inc.

In 1927 when Dr. Charles S. Bacon, on reaching the retiring age, was made Professor of Obstetrics, *Emeritus,* members of the faculty and friends of Dr. Bacon contributed the sum of $5,000 to found the Charles S. Bacon Lectureship in Obstetrics. The income from this fund is used to defray expenses of lectures given each year at the College of Medicine. The ninth series of these lectures was delivered in February, 1939, by Dr. Walter Schiller, Director of Laboratories, Cook County Hospital, Chicago.

The Chicago Tuberculosis Institute has granted to the College of Medicine $2,500 a year for a period of five years to establish a Theodore B. Sachs Residency in the field of tuberculosis and allied diseases.

Medical lectures, clinical conferences, and the meetings of the Research Club and Sigma Xi occupy the one o'clock hour each Wednesday of the school year. Clinical conferences and pathological conferences are held regularly each week at times which are announced at the beginning of each semester.

Prizes

The late Dr. Frank Smithies, of Chicago, endowed an annual prize in memory of William Beaumont, the famous surgeon of the nineteenth century who made valuable contributions to the knowledge of the digestive system. The prize is awarded by a committee appointed by the Dean of the College of Medicine to the student or faculty member of the College of Medicine who submits the best original work on diseases of the alimentary tract. The twelfth award was made in June, 1938, to Dr. Alexander J. Nedzel.

A prize of $100, established by Dr. and Mrs. H. O. Deuss as a memorial to their son James Burkett Deuss, is given in alternate years for the best contribution in the field of allergy by any registered student or member of the faculty of the College of Medicine. This prize is to be awarded in 1939 and again in 1941.

Sigma Xi Prize, see page 56.

COURSES OFFERED IN THE COLLEGE OF MEDICINE

Note: The Arabic numerals preceding the captions indicate the numbers of the courses. Unless otherwise stated, the Arabic numerals following the description of courses indicate the number of one-hour periods per week. The Roman numerals I and II indicate the semester in which the course is given.

ANATOMY

Professors: KAMPMEIER (Head of the Department).
Associate Professors: ZIMMERMANN, COOPER, VON BONIN.
Assistant Professors: JORANSON, WEBB, ZECHEL, SIMER.
Instructors: STEIN, FISCH, KREHBIEL.
Assistants: BURROWS, WHITE (Emeritus), THOREK, MISHKIN, BERGQUIST, DYER, WEIHE, GLASSMAN, ROTH, FLANNERY, HOLUB, OLIVER, VACIN, WAGNER, SCHMIDHOFER.

REQUIRED COURSES—FIRST YEAR

1-4. HUMAN ANATOMY.—To insure greater correlation and unity in presentation of the subject matter, the following major divisions are merged into a single course extending continuously throughout both semesters. Credit toward graduation is not allowed for either semester separately. The total time, 608 hours, is apportioned approximately as follows: histology, 144 hours; embryology, 72 hours; regional and systematic anatomy, 288 hours; neurology, 72 hours. One hour per week during the two semesters (32 hours total for the year) is set aside for introductory clinical demonstrations, presented by selected members of the several clinical departments, and designed to illustrate the application of anatomical knowledge in medical and surgical practice. Of the 336 anatomical hours in the first semester, and 272 in the second, approximately three-fourths of the time is given to laboratory work, and the remaining one-fourth to lectures, demonstrations, and quizzes. Professor KAMPMEIER and others.

REQUIRED COURSES—FOURTH YEAR

30. TOPOGRAPHICAL ANATOMY.—Redissection of the body, stressing the topography and relations of the various regions and organs, as displayed by incisions, window dissections, and transections; intimate correlation of subject matter with clinical conditions and procedure. I, (4). Assistant Professor ZECHEL and others.

ELECTIVE COURSES

50. MICROSCOPICAL TECHNIC.—Preparation of tissues for study; methods of maceration, decalcification, injection, corrosion, preservation, fixation, embedding, sectioning, staining, clearing, mounting, etc. One 2-hour period per week. I and II, (2). Registration limited.

51. ANATOMY OF FETUS AND CHILD.—Dissection of the fetus; consideration of problems of growth during prenatal and postnatal periods of life. Two 2-hour periods per week. I or II, (4). Registration limited. Associate Professor ZIMMERMANN.

52. COMPARATIVE NEUROLOGY.—A comparative study of the morphology of the central nervous system, particularly of those animals in the phylogenetic line leading to man; a consideration also of related problems in comparative embryology, physiology, and psychology in their bearing on clinical neurology. Two 1-hour periods per week. I, (2). Associate Professor VON BONIN.

53. PREPARATIONS FOR ANATOMICAL MUSEUM.—The creation of special dissections, reconstructions, models, and demonstration specimens for the anatomical teaching collection requiring skill, ingenuity, neatness, and accuracy in execution. Two 2-hour periods per week. I and II, (4). Limited to two or three qualified students. Professor KAMPMEIER, Associate Professor COOPER, and others.

54. PHYSICAL ANTHROPOLOGY.—Phylogeny of human races; anthropometry of living and skeletal material; anthropogeography; racial physiology and pathology;

growth of populations and racial distributions of modern man; social anthropology; racial psychology and eugenics. Two 2-hour periods per week. I, (4). Associate Professor Von Bonin.

80. Dissection.—In this course opportunity is given for a complete redissection of the human body during the summer months. The course can not be taken for credit, and is open only to students of the second to the fifth year, inclusive. The course provides for no formal instruction, but strict supervision is maintained to ensure the proper use of the material. Four students are assigned to a body. The department reserves the right to limit, when necessary, the total number of students taking the course. Every student wishing to enroll must apply personally to the head of the department before approval may be given. The fee for each student is $25. The duration of the course is three months, beginning in the middle of June.

Seminar.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication; presentation and discussion of the results of investigations.

Special Courses for Physicians

90. Dissection.—This course for physicians and surgeons provides for complete or partial dissection of the human cadaver. The length of time allotted depends on the subject matter to be covered, and on the laboratory space available. Special instruction is given only if four or more persons are taking the course at the same time, and if they arrange for such instruction. For fees, see page 31. *Note:* Physicians and surgeons who are members of the staff of the College of Medicine have the privilege of dissection in the Department of Anatomy after payment of a fee covering the bare cost of the material. Professor Kampmeier, Associate Professor Cooper.

Courses for Graduate Students

101. Advanced Anatomy.—The work may take the direction either of macroscopic or of microscopic anatomy, or of both, according to the student's major problem: in macroscopic anatomy, a detailed redissection of the human body, or any of its parts; in microscopic anatomy (embryology, cytology, histology, etc.), a consideration of morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. (Work in the laboratory for tissue culture in association with Assistant Professor Zechel). Course designed for students choosing anatomy as a minor, and for students preparing for individual research in anatomy. *(1 to 2 units)*. Professor Kampmeier, Associate Professor Von Bonin, Assistant Professor Webb.

103. Individual Research.—In embryology, cytology and histology, neurology, anthropology and biometrics, experimental morphology, functional and applied anatomy. *(1 to 3 units)*. Professor Kampmeier, Associate Professor Von Bonin, Assistant Professor Webb.

CRIMINOLOGY, SOCIAL HYGIENE, AND MEDICAL JURISPRUDENCE

Professors: Schroeder (Head of the Department), Yarros.
Associate Professors: Brown, Mohr.
Assistant Professors: Barrick, Gitelson, French.
Associates: Josselyn, Miller, Darrow, Weinfeld, A. M. Johnson.[1]
Lecturers: N. G. Johnson, Murray, Worthington, Brandon.
Instructors: Lyon, Sukov.
Assistants: Perce.

This department in cooperation with the Department of Psychiatry presents first the behavior problems in children from the point of view of etiology, pathology, and symptomology as a basis for treatment and prevention of criminality and mental disease in later life. The Department concerns itself also with presentation of medical ethics, the legal implications of medicine, and the significant sociological problems which are a part of the physician's responsibility in family welfare, sex education, and the social problems of venereal disease and prostitution.

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[1] Beginning February 1, 1939.

REQUIRED COURSES—THIRD YEAR

10. PSYCHIATRY, CRIMINOLOGY, AND BEHAVIOR PROBLEMS.—Pathology and prevention of mental deficiency and delinquency. I and II, (1). Professor SCHROEDER and others.

REQUIRED COURSES—FOURTH YEAR

50. MEDICAL JURISPRUDENCE.—Eight weeks, II, (1). Mr. JOHNSON.
51. MEDICAL SOCIOLOGY.—General outline of social hygiene, its program, and its relation to health and family welfare; responsibility of the physician as to the development of normal sex attitudes; prostitution as the largest contributing cause of venereal disease; modern attitudes toward prostitution. Eight weeks, II, (1). Professor YARROS.

ELECTIVE COURSES—FOURTH YEAR

70. MENTAL HYGIENE.—Management of behavior difficulties in young children. Case presentation and discussion. Eight weeks, II, (1). Assistant Professors GITELSON and FRENCH.
71. MENTAL HYGIENE.—Mental hygiene of adolescence. Educational counsel and vocational guidance. Eight weeks, II, (1). Assistant Professor GITELSON.
72a. CLINICAL ADMINISTRATION OF BEHAVIOR PROBLEMS (JUVENILE).—Causes of juvenile delinquency; individualization in treatment, with attention to relationship of physician in court procedure. I, (1). Assistant Professor GITELSON.
72b. CLINICAL ADMINISTRATION OF BEHAVIOR PROBLEMS (ADULT).—Individualization in treatment of adult offenders. A study of personality and the determinants of deviations in behavior with respect to the relationships within the situation of the individual. Synthesis is attempted through a system of classification according to personality type, etiology, prognosis, and the indicated therapy. I, (1). Assistant Professor BARRICK.
73. CRIMINAL IDENTIFICATION.—Application of physical structure and functions in identification of criminals. Eight weeks, I, (1). Dr. LYON.
74. HOSPITAL ORGANIZATION AND ADMINISTRATION.—Eight weeks, I, (1). Dr. WORTHINGTON.
75. INTRODUCTION TO PUBLIC WELFARE ADMINISTRATION.—Eight weeks, I, (1). Mr. BRANDON.
76. PSYCHOLOGY OF NEUROTIC BEHAVIOR.—Lectures and discussions. Brief outline of emotional development of the child. Case discussions illustrating the influence of disturbances in emotional development in causation of behavior problems of childhood, and of neuroses and criminal behavior in adult life. II, (1). Associate Professor MOHR, Assistant Professor FRENCH.

SPECIAL COURSES FOR PHYSICIANS

90. LECTURES AND CONFERENCES.—The treatment of behavior problems in children is properly a function of the pediatrician and the general practitioner. This course is designed to meet the needs of the physician in the recognition and treatment of such problems. The course will consist of an organized program of case presentations followed by discussions, dealing with behavior disorders as a symptom of organic disease, the recognition and management of mental deficiency, problems of habit training (bed wetting, anorexia, etc.), behavior disorders due to unhealthy parent-child relationships, and delinquency. Eight evening meetings. Hours to be arranged. For fees, see page 31.
90a. CLINICAL COURSE.—*Prerequisite:* Course 90. (*Note:* Course 90 may be taken concurrently with 90a.) Analysis and treatment of behavior problems in children under supervision in the clinic of the Institute for Juvenile Research. Duration, four months. Six hours weekly to be arranged. For fees, see page 31.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN JUVENILE BEHAVIOR.—(*1 to 3 units*). Professor SCHROEDER.
102. ADVANCED WORK IN JUVENILE BEHAVIOR.—(*1 to 3 units*). Professor SCHROEDER.
103. SPECIAL ABILITIES AND DISABILITIES.—(*1 or 2 units*). Associate Professor BROWN.
104. PSYCHOLOGICAL TESTS.—(*1 or 2 units*). Associate Professor BROWN.
105. PSYCHOLOGY OF BEHAVIOR PROBLEMS.—(*1 or 2 units*). Associate Professor BROWN.
106. FIELD WORK IN CRIMINOLOGY.—(*1 to 3 units*). Professor SCHROEDER.

DERMATOLOGY

Professors: SENEAR (Head of the Department), PUSEY (Emeritus).
Associate Professors: WIEN.
Assistant Professors: CORNBLEET, WEBER.
Associates: CARO, RATTNER, PERLSTEIN.
Instructors: KRASNOW, PACE, SCHORR, FORD, SHELLOW, ROLL, GRIFFITH.[1]
Cooperating: Professor BACHEM.

REQUIRED COURSES—THIRD YEAR

10. DIDACTIC LECTURES ON DERMATOLOGY AND SYPHILIS.—Lectures, lantern slides, and demonstrations. Continuous through I and II, (1). Professor SENEAR, Assistant Professor CORNBLEET, Dr. CARO.

REQUIRED COURSES—FOURTH YEAR

50. CLINIC.—Case demonstrations with patients from Research and Educational Hospital and Cook County Hospital. Continuous through I and II, (1). Professor SENEAR, Assistant Professor CORNBLEET.
51. DISPENSARY.—Including instruction in roentgenology. Six 2-hour periods for one week, I and II. Professors SENEAR and BACHEM, and others.

ELECTIVE COURSES—FOURTH YEAR

70. SYPHILIS.—Diagnostic and therapeutic methods. Eight weeks, I and II, (1). Professor SENEAR, Assistant Professor CORNBLEET.
71. DERMATOLOGY.—Special diagnostic and therapeutic methods. Eight weeks, I and II, (1). Professor SENEAR, Assistant Professor CORNBLEET.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN DERMATOLOGY.—(*1 to 3 units*). Professor SENEAR.

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

Professors: LEDERER (Head of the Department), PIERCE (Emeritus).
Associate Professors: BECK (Emeritus).
Assistant Professors: J. J. THEOBALD, W. H. THEOBALD, SHAPIRO.
Associates: LIVINGSTON, BREDLAU, FOX, HOLLENDER, SPIESMAN, VAN ALYEA, FISHMAN, HOLINGER.[2]
Instructors: COOMBS, HARNED, MORWITZ, PELUSE, FABRICANT, SCIARRETTA, PATTENGALE,[3] BLUMKLOTZ.
Assistants: CAWTHORNE, WALL, SCHOOLMAN, LEWY, SAVITT, BERMAN.

The required courses in otolaryngology are so arranged that didactic instruction precedes the practical application of the specialty, at all times stressing its relation to general medicine. In the third year the student is given fundamental instruction in the basic principles by means of formal lectures, augmented by informal conferences in small groups. In the fourth year he is given an opportunity to apply the principles of diagnosis and treatment in the out-patient department by means of clinics designed to present the more common types of otolaryngologic affections and in dispensary service wherein he is taught individually and directly from patient contact.

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[1] Beginning March 15, 1939. [2] Bronchoscopy. [3] Radium therapy.

REQUIRED COURSES—THIRD YEAR

10. EAR, NOSE, AND ACCESSORY SINUSES.—Surgical anatomy, physiology, pathology, and treatment. I, (1). Professor LEDERER, Dr. FISHMAN.
11. MOUTH, PHARYNX, AND LARYNX.—Surgical anatomy, applied pathology, and treatment. II, (1). Professor LEDERER, Dr. FISHMAN, Dr. HOLINGER.
12. CONFERENCE.—General survey of the field through the medium of quiz groups. I and II, (1). Dr. HOLLENDER, Dr. MORWITZ, Dr. SPIESMAN, Dr. FISHMAN.
13. DISPENSARY.—Research Hospital. Three 2-hour periods per week. Four weeks, I and II. Professor LEDERER and others.

REQUIRED COURSES—FOURTH YEAR

50. CLINICAL OTOLARYNGOLOGY.—Cases of interest are presented to illustrate the practical points in diagnosis. Indications for treatment and operation are discussed. Research Hospital. One 2-hour period per week. Eight weeks, I. Professor LEDERER, Assistant Professors J. J. THEOBALD and SHAPIRO, Dr. VAN ALYEA, Dr. FISHMAN, Dr. HOLINGER.

ELECTIVE COURSES—FOURTH YEAR

70. SEMINAR IN OTOLARYNGOLOGY.—Presentation and discussion of clinical cases; critical review of results of investigations and current literature. Weekly conferences. Professor LEDERER and others.

SPECIAL COURSES FOR PHYSICIANS

Note: The following courses (90-99) may be registered for individually or in groups, the time being arranged with the instructors. More hours may be arranged by consent of the instructors. Applicants must be graduates of a Class A medical school and present proper credentials acceptable to the chairman of the department for admission. For fees, see page 31.

90. POSTGRADUATE BASIC COURSE.—Provides an extended full-time course of instruction for those intending to prepare themselves for special practice. Duration eight months, 9:00 a.m. to 4:00 p.m.

91a. CLINICAL SPECIALIST COURSE.—Designed to present standardized methods in diagnosis and the problems of treatment based upon the pathological findings of cases in the ambulatory clinics of the Research and Educational Hospital. Taking of case histories, methods of examinations, special anatomy (optional), gross pathology, and indications for treatment and operation are stressed. The work is done for the most part independently under proper supervision and direction. An effort is made to assist specialists in some of the more difficult phases of their clinical work by practical demonstrations. The course extends over a period of four months and for three periods a year. Hours: 10:00 to 12:00 a.m. and 2:00 to 4:00 p.m., six days a week. Professor LEDERER and others.

91b. EXTENSION COURSE.—Primarily for physicians engaged in general practice. Methods of examination, diagnosis, and the relation of the specialty to general practice. Periods of instruction to be arranged for in groups.

92. FUNCTIONAL TESTS OF THE EAR.—(a) Cochlear apparatus with special consideration of the use of tuning forks. (b) Vestibular apparatus with special reference to the caloric, rotatory, and galvanic tests. 10 hours. Minimum, two students. Assistant Professors J. J. THEOBALD and SHAPIRO.
93. DISEASES OF THE LARYNX.—Anatomy and physiology. Demonstration upon patients of typical aspects of the disease with the exact description of differential diagnosis and methods of therapy. 10 hours. Limited to two students. Professor LEDERER, Dr. FISHMAN.
94. PHYSICAL THERAPEUTIC PROCEDURES IN OTOLARYNGOLOGY.—Indications and technical application of low-voltage and high-frequency currents, ionization, electrosurgery, and the medical uses of light, heat, and electricity in general. 12 hours. Limited to four students. Dr. HOLLENDER.
95. HISTOPATHOLOGY OF THE EAR, NOSE, AND THROAT.—Study of gross and microscopic histology and pathology; laboratory technic. 20 hours. Limited to two students. Professor LEDERER, Dr. FABRICANT.
96. BRONCHOSCOPY AND ESOPHAGOSCOPY.—Demonstration of methods of examination; indications and contraindications; manikin practice; technic of bronchography. Research Hospital. 12 hours. Limited to two students. Dr. HOLINGER.

97. OTONEUROLOGY.—Vestibular apparatus in relation to labyrinthine disease, brain tumors, and head injuries. 10 hours. Limited to five students. Assistant Professor SHAPIRO.
98. SURGICAL ANATOMY AND SURGERY OF THE MASTOID.—Demonstration of specimens and technic of operation. Practice on the cadaver. 10 hours. Limited to two students. Professor LEDERER, Dr. FISHMAN.
99. (a) SURGICAL ANATOMY OF THE NOSE AND SINUSES. (b) CLINICAL ASPECTS OF SINUS DISEASE.—10 hours. Minimum registration, two students. Dr. VAN ALYEA, Dr. FISHMAN.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN LARYNGOLOGY, RHINOLOGY, AND OTOLOGY.—(*1 to 3 units*). Special science work, enabling those so desiring to do productive research in the specialty or to prepare themselves for teaching. Professor LEDERER.

MEDICINE

Professors: KEETON (Head of the Department), TICE (Emeritus), LEWISON, STRAUSS, SLOAN.
Associate Professors: CHAUVET, MOORE (Emeritus), J. MEYER, PILOT, GOLDBERG, FREILICH, PERLSTEIN, LUSK, FOLEY.
Assistant Professors: LEVINSON, WILSON, CIPRIANI, PROPST, VANDERKLOOT, BIRCH, STREICHER, DEUSS, RABENS, DALITSCH, HICK, RAGINS.
Associates: RAPPAPORT, GOLDWASSER, FELDMAN, KLEMPTNER, NELSON, BECKER, BOLOTIN, BOIKAN, LUETH, AFREMOW, HOOD, KENDRICK, LIMARZI, SIEGAL, STEIGMANN.
Instructors: AARONSON, GOLUB, GROSZ, GURVEY, PEARLMAN, FISCHER, AMTMAN, MCMILLAN, DREYER, JONES, PASSARELLI, DORMAN, ROSENBLUM, TIMBLIN, COE, HECHT, KAPLAN, LEVY, STECK, ROBERG, CONLEY, BERNSTEIN, BERG.
Assistants: RIND, WILBURN, HOOVER, ROONEY, SCHELL, DITKOWSKY, LEVINE, RUDOLPH, MOSKO, TURNER, H. MEYER, SINGER, FIORITO, SHURE, WIEN, FEINHANDLER, JACOBS, SPELLBERG, POULSON, EDIDIN, ROTH, WEISS, O'MALLEY, OCASEK, EHRLICH, SCHWARTZ, LARKIN, LEVINE, TERMAN, WILLIAMS, GROSSMAN, BAKER, GOLDBERG, WALL, CHRISTIAN,[1] BEDINGER, COHN, DIMICELI, HOWARD, ENTIN, MONTGOMERY, SLADEK, GORE,[2] JOHNSON.[3]
Cooperating: Professor CAMP.

The student is introduced to medicine through four correlation courses, which are essentially extensions of those begun in the pre-clinical years. Thus in one, the physiological and biochemical laws of nutrition are applied to patients with various diseases; in two others, the physiology of the circulation as it is modified by cardiac failure and the cardiac arrhythmias is considered; and finally the pathological changes in the morphology of the blood are studied.

Through the individual study and examination of patients in the hospital wards and out-patient clinic the student learns the elements of physical diagnosis and the art of history taking. He also learns to recognize the physical findings characteristic of various diseases. In his fourth year he serves as a practicing physician to whom patients come for consultation on their problems.

These basic approaches to medicine are amplified and extended by didactic quiz courses, by lecture and demonstration clinics, and by numerous small clinics covering completely and authoritatively the field of medicine.

REQUIRED COURSES—SECOND YEAR

1. PHYSICAL DIAGNOSIS.—Practical drill on normal subjects. Small sections. II, (3). Professor LEWISON, Associate Professors CHAUVET and FREILICH, Assistant Professor RAGINS, Dr. COE, Dr. AMTMAN. Dr. ROSENBLUM.
2. CLINIC.—Lectures and conferences with special reference to diseases of metabolism. I, (1). Professor KEETON.

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[1] Resignation effective February 4, 1939.
[2] Beginning January 3, 1939.
[3] Beginning February 15, 1939.

REQUIRED COURSES—THIRD YEAR

10. SYSTEMATIC STUDY OF IMPORTANT DISEASES.—Lecture and quiz. Continuous through I and II, (2). Assistant Professors CIPRIANI, VANDERKLOOT, and DEUSS, Dr. BOIKAN, Dr. MCMILLAN, Dr. CHRISTIAN.
11. CLINIC.—Selected topics. Research Hospital. Continuous through I and II, (1). Assistant Professors BIRCH, STREICHER, DALITSCH, and HICK.
12. CLINIC.—Selected topics. Cook County Hospital. Continuous through I and II, (1). Associate Professors PILOT and FREILICH, Assistant Professor FOLEY.
13. CLINIC.—Selected topics, with special reference to diseases of metabolism. Research Hospital. II, (1). Professor KEETON.
14. CLERKSHIPS.—History taking and physical diagnosis. Cook County, Michael Reese, and Research Hospitals. Students are directed in their work by the associates of the respective wards. Eight weeks, I and II, (17). Dr. AFREMOW, Dr. STEIGMANN, Dr. JONES, Dr. DREYER, Dr. PASSARELLI, Dr. BERNSTEIN, Dr. COE.
15. CLERKSHIP GUIDANCE.—Case presentation of patients studied in course 14, before a section of 20 students under the direction of attending men. Cook County and Research Hospitals. Eight weeks, I and II, (2). Professor SLOAN, Associate Professors PILOT, LUSK, and FOLEY, Assistant Professor RAGINS, Dr. AMTMAN.
16. CLINIC.—Electrocardiograph and Cardiac. Types of cardiac irregularities, mechanism of production, recognition of these and interpretation of electrocardiographs. One 1-hour period per week. One-fourth of class. Eight weeks, I and II, (1). Associate Professor PERLSTEIN.
17. CLINIC.—Physiology and pathophysiology of cardiac failure. Mechanics of circulation, clinical methods available for study, cardiac failure (right and left heart), and cardiac edema. One 1-hour period per week. One-fourth of class. Eight weeks, I and II, (1). Associate Professor FOLEY, Assistant Professor HICK.
18. CLINIC.—Hematology. Research Hospital. One 2-hour period per week. One-fourth of class. Eight weeks, I and II, (2). Assistant Professor BIRCH, Dr. JONES, Dr. LIMARZI.

ELECTIVE COURSES—THIRD YEAR

30. DISEASES OF THE LIVER.—I, (1).
31. DISEASES OF THE GASTRO-INTESTINAL TRACT.—Lectures and demonstrations. I, (1). Associate Professor MEYER.
33. PRINCIPLES OF MEDICINE.—Review course. II, (2). Dr. AFREMOW, Dr. MOSKO.
35. THE PATIENT AS THE UNIT OF PRACTICE.—II, (1). Assistant Professor PROPST.

REQUIRED COURSES—FOURTH YEAR

50. CLINIC.—Selected topics with especial attention to differential diagnosis. Research Hospital. Continuous through I and II, (1). Professor KEETON.
51. CLINIC.—Selected topics with especial attention to differential diagnosis. Cook County Hospital. Continuous through I and II, (1). Professor SLOAN, Associate Professors MEYER, LUSK, and FOLEY.
52. CLINIC.—Diseases in the field of allergy. Research Hospital. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Dr. NELSON, Dr. RAPPAPORT, and others.
53. CLINIC.—Chest and respiratory diseases. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Associate Professors FREILICH, LUSK, and GOLDBERG, Assistant Professors LEVINSON, DEUSS, and RAGINS.
54. CLINIC.—Gastro-intestinal diseases including liver. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Professor SLOAN, Associate Professors MEYER, LUSK, and FOLEY, Assistant Professor STREICHER.
55. CLINIC.—Hematology. Research Hospital. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Assistant Professor BIRCH, Dr. JONES, Dr. LIMARZI. (Not given in 1938-1939.)
56. CLINIC.—Cardiology. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Professor STRAUSS, Associate Professor PERLSTEIN, Dr. BOIKAN.
57. CLINIC.—Cardiology. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Assistant Professors

VanderKloot, Birch, Rabens, Dalitsch, and Hick, Dr. Goldwasser. (Not given in 1938-1939.)

58. Clinic.—Kidney and peripheral vascular diseases. Research and Cook County Hospitals. One 2-hour period per week. One-eighth of class. Eight weeks, I and II, (2). Assistant Professors VanderKloot, Dalitsch, and Hick, Dr. Passarelli, Dr. Lueth.

59. Clinic.—Therapeutics. Research and Educational Hospital. One 2-hour period per week. Eight weeks, I and II, (2). Professor Camp, Associate Professor Foley, Assistant Professor Hick.

60. Clinical Laboratory.—Familiarity with routine hospital laboratory procedure is stressed. Five 2-hour periods per week. Three weeks, I and II, (10). Dr. Hood, Dr. Kendrick, Dr. Limarzi, and members of the dispensary staff.

61. Admitting Clinic.—Research Hospital. Six 2-hour periods for two weeks, I and II. Dr. Becker, Dr. Passarelli, and members of the dispensary staff.

62. Dispensary.—Training in the practice of medicine; physical examination, history taking, and diagnosis. Research and Educational Hospital. Three hours daily for four weeks, I and II. Dr. Roberg, Dr. Montgomery, and members of the dispensary staff.

Elective Courses—Fourth Year

70. Diseases of the Gastro-Intestinal Tract.—Lectures and demonstrations. II, (1). Associate Professor Meyer.

72. Clinical Parasitology.—Limited to eight students. One 2-hour period per week. Eight weeks, I, (2). Dr. Hood.

73. Principles of Medicine.—Review course. I, (2). Dr. Afremow, Dr. Mosko.

74. Diseases of the Heart.—Selected topics. I, (1). Dr. Feldman.

75. Diseases of the Chest.—II, (1). Assistant Professor Rabens.

76. Tuberculosis.—II, (1). Associate Professor Goldberg.

77. Cardio-Vascular Diseases.—I, (1). Professor Lewison.

79. Gastro-Intestinal Disfunction.—I, (1). Dr. McMillan.

80. Dietetics.—Limited to twelve students. Eight weeks, II, (1). Dr. Becker.

81. Allergy.—Limited to twelve students. Eight weeks, II, (1). Dr. Nelson. (Not given in 1938-1939.)

82. Cardio-Vascular Disease.—I and II, (1). Dr. Boikan.

83. Tertiary Lues.—I, (1). Dr. Dorman.

84. Cardiac and Cardio-Vascular Diseases.—Eight weeks, I, (1). Dr. Bolotin.

85. History of Medicine.—I, (1).

Courses for Graduate Students

101. Research in Medicine.—(*1 to 3 units*). Professor Keeton, Assistant Professor Birch.

MEDICAL ILLUSTRATION

Associate Professor Jones

Elective Courses for Third-Year and Fourth-Year Students

50. Medical Illustration.—Beginners' course designed for medical students and graduates who desire to improve their ability to sketch and make graphic records in their practice and research. The work consists in drawing medical subjects of various kinds from life, making of graphs and charts, lettering, perspective and use of crayon, pen and ink, wash and water color. Principles of medical photography and making of lantern slides, etc. Two 2-hour periods per week. I, (4). Limited to five students. Associate Professor Jones.

Special Courses for Non-Medical Students

90. Medical Illustration.—Offered for artists who desire to make a profession of scientific illustration in the field of medicine. The length of the course is two years, and students will work in the illustration studios with the staff artists. Instruction covers the various phases of illustrative work for publication and teaching in anatomy, pathology, surgery, etc., in different media as well as the preparation of scientific and lay exhibits. Students in this course will take the regular medical course in gross anatomy. Candidates for the course must

present evidence of thorough general art training as well as scholastic and character credentials. Except in unusual cases applications must be made in person. Class limited to 6 students. Hours 9:00 a.m. to 4:00 p.m. Fee for each semester, $50, plus laboratory fees each semester.

NEUROLOGY AND NEUROLOGICAL SURGERY

Professors: Oldberg (Head of the Department), Hassin.
Associate Professors: Mackay.
Assistant Professors: Diamond, Olkon.
Associates: Lichtenstein.
Instructors: Zeitlin.
Assistants: Tinsley.

Required Courses—Third Year

10. Fundamentals of Neurology.—A correlation of the anatomy, physiology, pathology, and clinical examination of the nervous system. I, (1). Dr. Zeitlin.
11. Neurology Clinic.—Systematic lectures and clinical demonstrations of the principal diseases of the nervous system. II, (1). Associate Professor Mackay, Assistant Professor Olkon.

Required Courses—Fourth Year

50. Neurology Clinic.—Lectures and demonstrations of clinical cases. I and II, (1). Professor Hassin.
51. Neurological Surgery.—Lectures and demonstrations of neurosurgical problems. Eight weeks for each half of the class. I, (2). Professor Oldberg.
52. Dispensary.—Six 2-hour periods per week. Two weeks for each sixteenth of the class. I and II, (12). Entire staff of the department.

Elective Courses—Fourth Year

70. Neuropathology.—Eight weeks. II, (1). Limited to one-half the class. Lectures and demonstrations. Assistant Professor Diamond.
71. Neurology Ward Walk.—I, (1). Limited to ten students. Professor Oldberg.

Special Courses for Physicians

90. Clinical Course.—Given in conjunction with the Department of Psychiatry. For fees, see page 31.

Courses for Graduate Students

101. Research in Neurology.—*(1 to 3 units)*. Professor Hassin.
102. Research in Neurological Surgery.—*(1 to 3 units)*. Professor Oldberg.

OBSTETRICS AND GYNECOLOGY

Professors: Falls (Head of the Department), C. S. Bacon (Emeritus).
Assistant Professors: Lang, Hammond, Stone, Lash, Browne, Newberger.
Associates: Lifvendahl, Kobak, Kaplan, Hill, Summerville.
Instructors: Rose, A. R. Bacon, Bloomfield, McLaughlin, Smith, Schneider, Hibbert, Wolff, Rezek, Roos, Bernell.
Assistants: Carey, Freda, Bomze, Scheffler, Wallheiser, McGill, Teton, Krause.

The work of the obstetrical division is aimed to give the student a practical training in the fundamentals of obstetric practice. In the third year he covers systematically the entire subject in a lecture-quiz course supplemented by examination of individual patients in the dispensary. In the fourth year he is thoroughly drilled in prenatal care, birthroom and newborn nursery methods. He is taken into the home and is shown a simple technique for home delivery. He assists at normal deliveries and is taught to give ether anaesthesia to obstetrical cases. Complicated cases are presented clinically, and operations are demonstrated on the manikin and on living patients. Work in the out-patient service and in Research and Educational Hospital is supplemented by ward walks and demonstration of cases in the Cook County Hospital.

A. OBSTETRICS

Required Courses—Third Year

10. Physiology of Pregnancy and Labor.—Lectures, quizzes, and demonstrations. I, (2). Assistant Professors Newberger, Lash, Browne, and Hammond, Dr. Hibbert, Dr. Schneider, Dr. Hill, Dr. Rezek, Dr. Roos.
11. Pathology of Pregnancy and Labor and the Puerperium.—Lectures, quizzes, and demonstrations. II, (2). Assistant Professors Browne, Newberger, and Lash, Dr. Schneider, Dr. Hibbert, Dr. Hill, Dr. Wolff.
12. Dispensary Out-Clinic.—Three 2-hour periods per week. Four weeks, I and II. Assistant Professors Browne and Newberger, Dr. Bloomfield, Dr. Hill, Dr. Rose, Dr. Kaplan, Dr. Smith, Dr. Carey, Dr. Schneider, Dr. Hibbert, Dr. Wolff, Dr. Rezek, Dr. Roos.
13. Obstetrical and Gynecological Laboratory.—Gross and microscopic specimens of such obstetrical complications as ruptured uterus, ablatio placenta, puerperal sepsis, ectopic pregnancy, hydatid and blood moles, and various diseases and abnormalities of the fetus and newborn. Bacteriological as well as pathological material is presented, and fresh specimens when available. One 2-hour period per week. Eight weeks, I and II. Dr. Hill, Dr. Rezek, Dr. Wolff.
14. Cook County Clerkship.—Each third-year student spends a twenty-four hour period on duty in the obstetrical ward in Cook County Hospital, observing all cases delivered during that time. Students see on the average ten deliveries. Dr. Kobak and associate.

Elective Courses—Third Year

(Will not be given for less than 5 students)

30. Toxemias of Pregnancy.—II, (1). Dr. Hill.
31. Cook County Hospital Ward Walk.—Limited to 20 students. Eight weeks, I and II. Dr. Kobak and associate.
32. Infections.—Puerperal sepsis, breast abscess, pyelitis. II, (1). Dr. Summerville.
34. Hemorrhages.—I, (1). Dr. Hibbert.
35. Review Course.—II, (1). Dr. Bernell, Dr. Rose.

Required Courses—Fourth Year

50. Manikin.—Obstetrical operations demonstrated and opportunity afforded to do the operation on the manikin under supervision and to become thoroughly familiar with the instruments and technic of such operations. Small groups and individual instruction. One 2-hour period per week. Eight weeks, I and II, (2). Assistant Professors Browne, Hammond, and Newberger, Dr. Hill.
51. Clinic.—Demonstration of cases. Research and Educational Hospital. I and II, (1). Professor Falls.
52. Clerkship.—During the fourth year, two weeks of full-time clerkships are required. Students are housed in a group near the Research and Educational Hospital and are on call night and day. Two students are assigned to each case and are on duty from the time labor starts until the patient is delivered. They are required to keep records of the labors and the post-partum visits. They are occupied in the obstetrical ward of the hospital when not attending out-patient cases.

Elective Courses—Fourth Year

(Will not be given for less than 5 or more than 15 students)

70. Cardio-Vascular and Pulmonary Complications in Pregnancy.—II, (1).
71. Manikin.—I, (1). Dr. Kobak.
72. Review Course.—I, (1). Dr. Rose, Dr. Bernell.
73. Operative Obstetrics.—I, (1). Assistant Professor Browne.
74. Endocrinology.—I, (1). Dr. Schneider.
75. Sterility and Conception.—I and II, (1). Dr. Kobak.

B. GYNECOLOGY

REQUIRED COURSES—THIRD YEAR

30. INTRODUCTION TO GYNECOLOGY.—A few hours are devoted to gynecology and consist of ward walks, pre-operative and post-operative demonstrations. The purpose is to introduce the student to the subjects of gynecology and obstetrics concurrently, thus emphasizing the intimate connection between the two subjects. Cook County and Research and Educational Hospitals. Small groups. One 2-hour period per week. Eight weeks, I and II, (2). Professor FALLS, Assistant Professors LASH and BROWNE, Dr. WOLFF, Dr. REZEK, Dr. BERNELL, and others.

REQUIRED COURSES—FOURTH YEAR

60. LECTURE AND QUIZ.—Conferences supplemented by lectures on special topics such as radium and x-ray therapy, sterility and conception, endocrinology, and malignant tumors of the sexual organs. Continuous through I and II, (1). Professor FALLS, Assistant Professors LASH and BROWNE, Dr. LIFVENDAHL, Dr. WOLFF, Dr. REZEK, Dr. HILL.
61. SEMINAR.—Eight weeks, I and II, (1). Assistant Professor LANG, Dr. BACON, Dr. KAPLAN, Dr. BERNELL.
62. CLINIC.—Operative and demonstration course. Cook County Hospital. One 2-hour period per week. One-half class each semester. I and II, (2). Professor FALLS.
63. DISPENSARY.—Small groups instructed in history-taking and physical examinations; treat minor gynecological complaints under supervision. One 2-hour period daily. Two weeks, I and II, (12). Assistant Professor LANG, Dr. LIFVENDAHL, Dr. KOBAK, Dr. BLOOMFIELD, Dr. HILL, Dr. SUMMERVILLE, Dr. REZEK, Dr. CAREY, Dr. ROOS.
64. CLINIC.—Carcinoma and radium therapy. Research and Educational Hospital. Small groups. Three 3-hour periods for one week. I and II, (9). Dr. HILL.
65. CLINIC.—Venereal disease complicating pregnancy. Research and Educational Hospital. Small groups. Three 3-hour periods for one week. I and II, (9). Dr. KAPLAN, Dr. ROOS.
66. PATHOLOGICAL CONFERENCE AND WARD WALK.—Prenatal and postnatal cases. Research and Educational Hospital. Small groups. One 1-hour conference in Hospital Laboratory, followed by one 1-hour ward walk. I and II, (2). Assistant Professor BROWNE.
67. COOK COUNTY HOSPITAL CLERKSHIP.—Five students daily from 9 a.m. to 4 p.m. for one week. They attend ward walks, write histories, examine patients and are present at 12 two-hour operative clinics conducted by Professor FALLS, Assistant Professor BROWNE, Assistant Professor LASH, and their associates. One of the five days is spent on obstetrical work under the direction of Dr. KOBAK and his associate. Particular stress is laid on the demonstration and examination of puerperal sepsis and infected abortion cases.

ELECTIVE COURSES—FOURTH YEAR

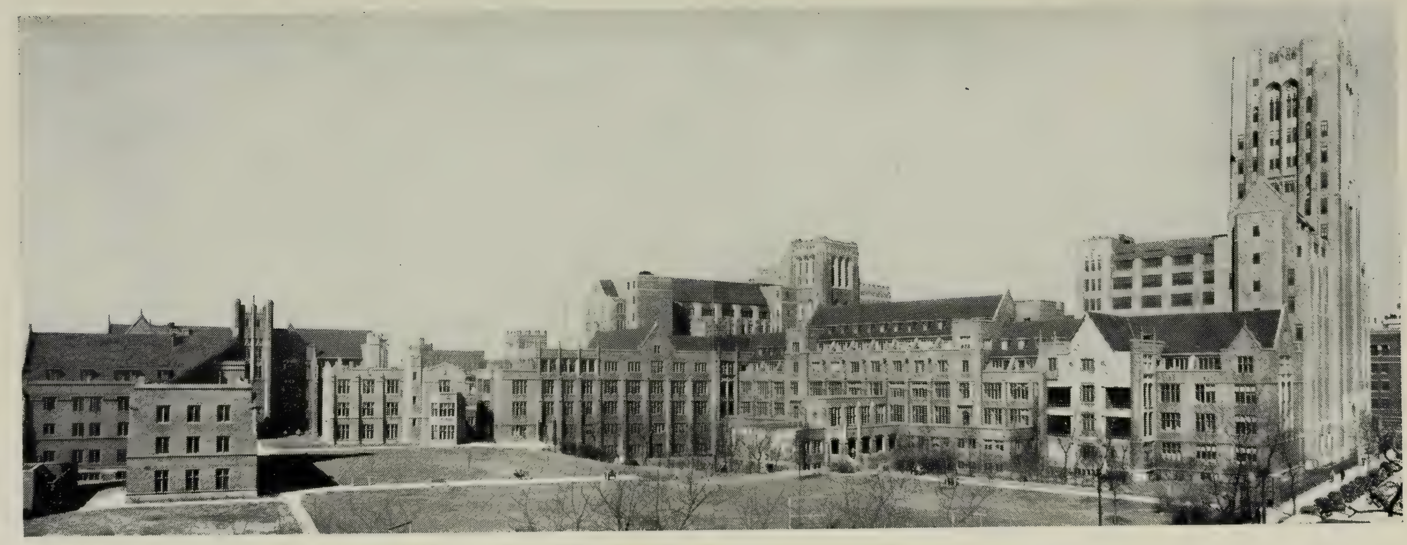
80. PELVIC NEOPLASMS.—II, (1). Dr. LIFVENDAHL.
81. PELVIC INFLAMMATION.—II, (1). Dr. KOBAK.
82. UTERINE HEMORRHAGES.—II, (1). Dr. BERNELL.
83. MENSTRUAL DISORDERS.—I, (1). Dr. REZEK.
84. OPERATIVE GYNECOLOGY.—I and II, (1). Professor FALLS.
85. PRE-OPERATIVE AND POST-OPERATIVE GYNECOLOGICAL TREATMENT.—I, (1). Dr. WOLFF.

COURSES FOR GRADUATE STUDENTS

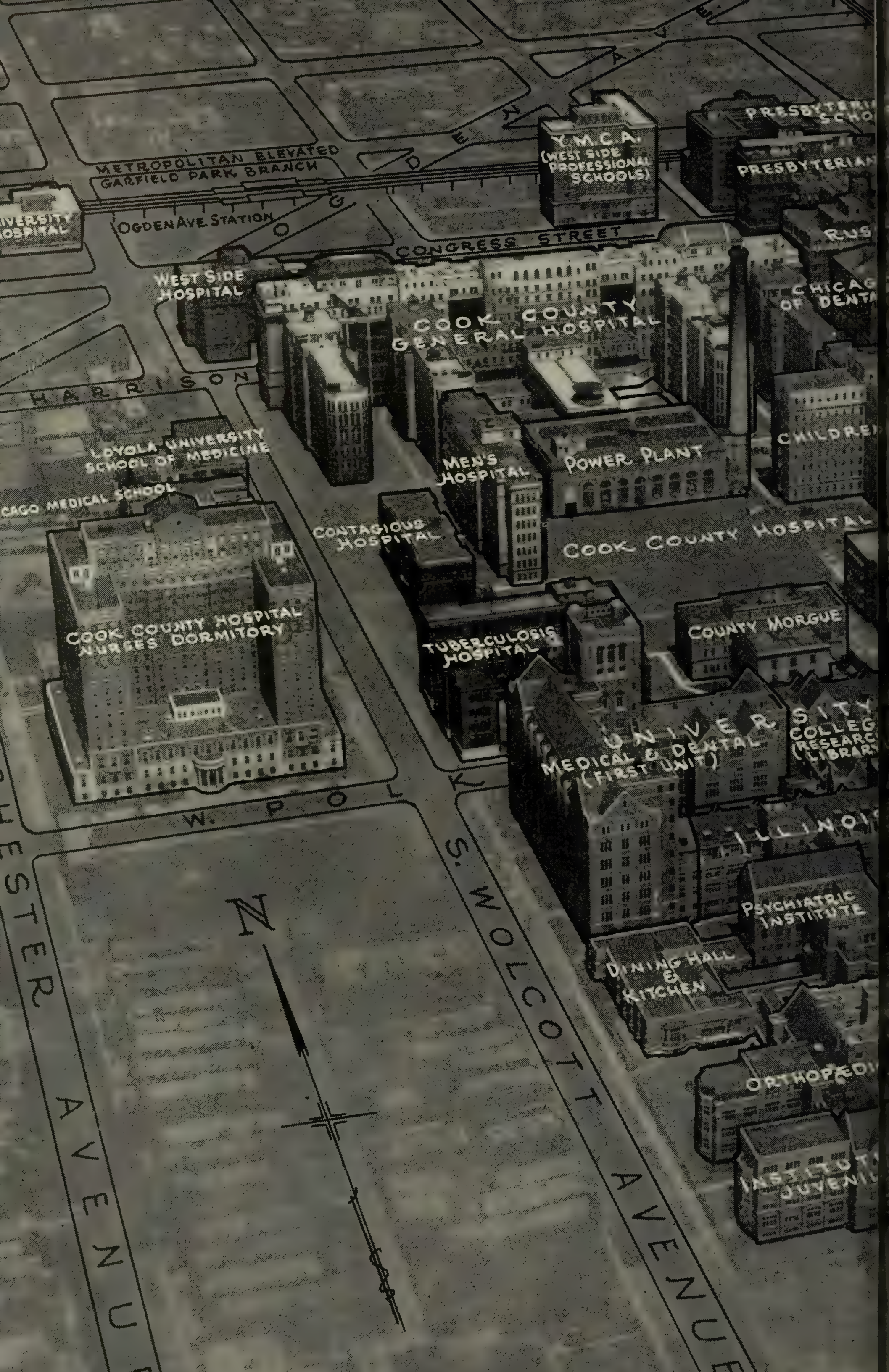
101. RESEARCH IN OBSTETRICS AND GYNECOLOGY.—(*1 to 3 units*). Professor FALLS.

OPHTHALMOLOGY

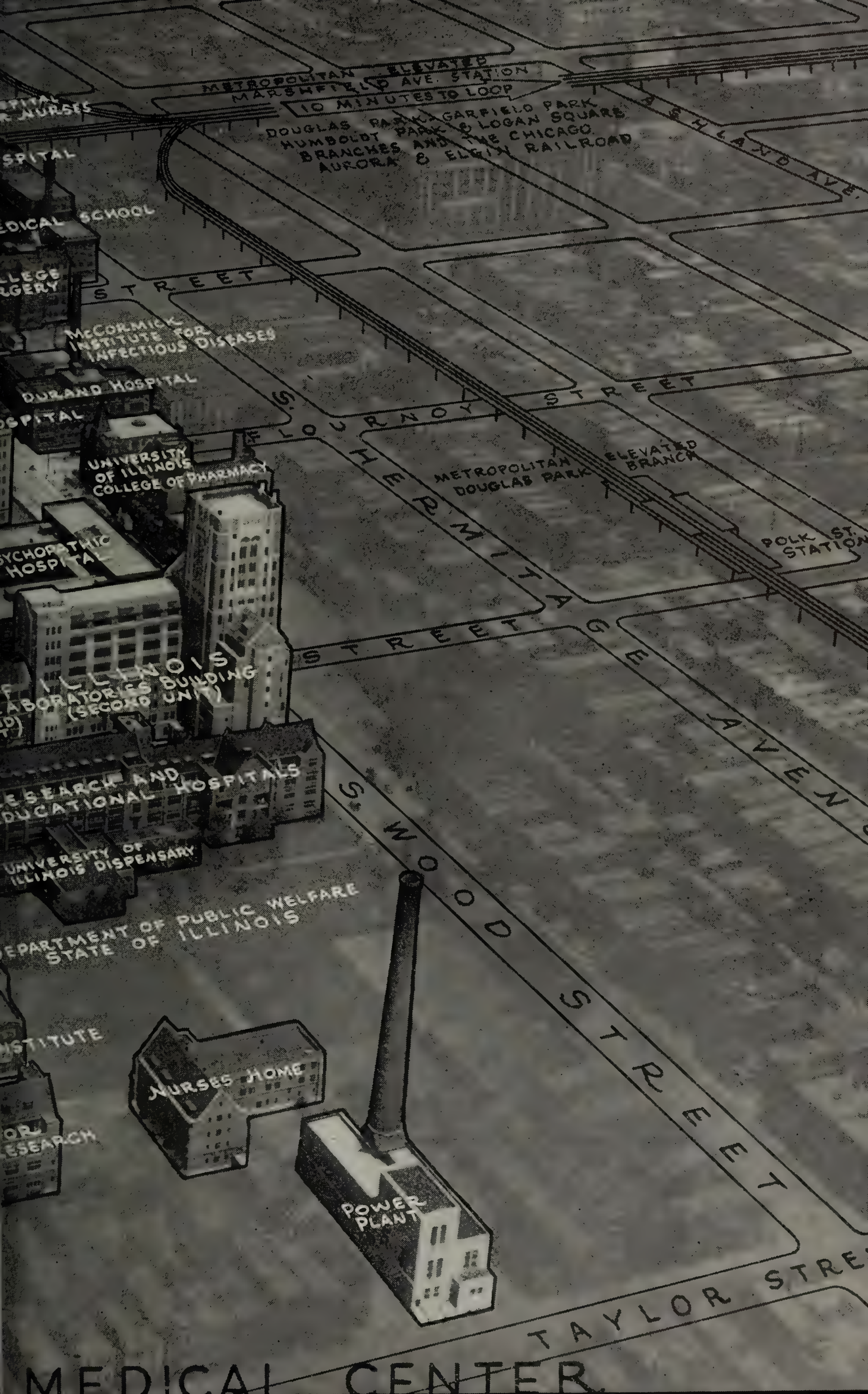
Professors: FINDLAY, WOOD (Emeritus), GAMBLE (Emeritus).
Associate Professors: BEARD.
Assistant Professors: SMITH.
Associates: HALPER, APPLE, CLARK, HORICK, KAUFMAN.
Instructors: RISER, BROOKS.
Assistants: FOLK.



PANORAMIC VIEW OF HOSPITALS AND MEDICAL AND DENTAL BUILDINGS



CHICAGO WEST SID


METROPOLITAN ELEVATED
MARSHFIELD AVE. STATION
10 MINUTES TO LOOP
DOUGLAS PARK, GARFIELD PARK
HUMBOLDT PARK & LOGAN SQUARE
BRANCHES AND THE CHICAGO
AURORA & ELGIN RAILROAD
ASHLAND AVE.
SPITAL
R NURSES
SPITAL
EDICAL SCHOOL
LLEGE
RGERY
STREET
McCORMICK INSTITUTE FOR INFECTIOUS DISEASES
DURAND HOSPITAL
SPITAL
UNIVERSITY OF ILLINOIS COLLEGE OF PHARMACY
FLOURNOY STREET
METROPOLITAN ELEVATED DOUGLAS PARK BRANCH
POLK ST. STATION
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DEPARTMENT OF PUBLIC WELFARE
STATE OF ILLINOIS
S. WOOD STREET
NSTITUTE
NURSES HOME
OR
ESEARCH
POWER PLANT
TAYLOR STRE
MEDICAL CENTER

MAIN READING ROOM OF THE LIBRARY

Required Courses—Fourth Year

51. Clinic and Practice.—Includes normal and pathological anatomy of the eye, practice in the use of ophthalmoscope, perimeter, focal light and test charts, and study of eye diseases which the general practitioner most frequently encounters. Five 2-hour periods per week. Four weeks, I and II. Associate Professor Beard, Assistant Professor Smith, and staff.

52. Didactic Ophthalmology.—Illustrated lectures and quizzes. I, (1). Associate Professor Beard, Assistant Professor Smith.

Special Courses for Physicians

90. Clinical Course.—Designed for those who wish to take up ophthalmology as a specialty. Only one process is studied at a time. Processes taught are: (a) determination of central visual acuity, neutralization of lenses, retinoscopy, refraction (with cycloplegia and without), tonometry, determination of degrees of strabismus or paralysis, types of discs (Elschnig's classification); (b) measurements of disc level, perimetry, objective findings in external and fundus diseases, case-history writing and diagnosis, prognosis, and treatment of a given case as a whole. This course extends over three periods of four months each, and no applicant is accepted for registration for less than the full twelve months. Pathology is taken with undergraduate students. Hours: 9:00 to 12:00 a.m., six days a week. Registration October 15-31. Classes limited to ten students. Candidates under 35 years of age are given preference. For fees, see page 31.

91. Pathology of the Eye.—Four months. Hours to be arranged. I or II. For fees, see page 31. Associate Professor Beard.

Courses for Graduate Students

101. Research in Ophthalmology.—*(1 to 3 units)*.

ORTHOPAEDICS

Professors: Thomas (Head of the Department).
Assistant Professors: Murphy, Hark, Levinthal.
Associates: Marshall, Lambert.
Instructors: Fischer, Miller.
Assistants: Grimmer, Turner, McCabe, Noyes, Rogers, Dubé, Odgers, Shannon.

Required Courses—Third Year

10. Clinical Operative Orthopaedic Surgery and Lectures.—Introduction to orthopaedic problems, including diagnosis and treatment of fractures. II, (1). Professor Thomas.

11. Clinical Operative Orthopaedic Surgery.—Eight weeks, I and II, (1). Professor Thomas, Assistant Professor Hark, Dr. Lambert.

12. Dispensary.—Includes practical demonstration in physiotherapy, hydrotherapy, and treatment of fractures. Three 2-hour periods per week. Four weeks, I and II, (6). Professor Thomas and others.

13. Principles of Orthopaedic Surgery.—Recitation and quiz. II, (1). Professor Thomas and others.

Elective Courses—Third Year

30. Theory and Practice of Physiotherapy in Orthopaedics.—Electrotherapy, hydrotherapy, mechanico-therapy, massage, and muscle re-education. Eight weeks, I and II, (1). Professor Thomas and others.

Required Courses—Fourth Year

50. Clerkship.—Three 3-hour periods. One week, I and II. Illinois Surgical Institute and Cook County Hospital. Professor Thomas, Assistant Professor Levinthal, Dr. Lambert.

ELECTIVE COURSES—FOURTH YEAR

70. SPECIAL TOPICS IN SURGERY OF JOINTS.—Operative management of injuries, infections, and tumors of the extremities and spinal column. I, (1). Professor Thomas and others.
71. SURGERY OF BONES AND JOINTS.—Cadaver demonstrations of operations for the reconstruction of extremity deformities, malunion and non-united fractures, bone transplants and fusions in Pott's disease and in fractured spines, reconstruction in fractured hips, and operation following infantile paralysis. II, (1). Professor THOMAS and others.

SPECIAL COURSES FOR PHYSICIANS

90. CLINICAL COURSE.—Designed to present and show the importance of examination and systematic development of indications. Includes (a) attendance at clinics and ward rounds; (b) operative orthopaedic surgery on cadavers; (c) assistance at operations; (d) work in pathology, psychiatry, general surgery, physiotherapy, neurology, serology, etc. Hours to be arranged. Registration limited. For fees, see page 31.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN ORTHOPAEDICS.—*(1 to 4 units)*. Professor THOMAS.

PATHOLOGY, BACTERIOLOGY, AND PUBLIC HEALTH

Professors: D. J. DAVIS (Head of the Department), PETERSEN, ARNOLD.
Associate Professors: PILOT, LEVINSON, NEDZEL, SAPHIR.
Assistant Professors: LADD, HULL, MILLES.
Associates: KRONENBERG, BEACH, MELNICK, KEARNS, LEVINE, MACFATE, MCDANIELS, ROSENTHAL, WEISS, HOWE, KLASSEN, TUTA.
Instructors: KLEIN, RAGINS, STUART, DREYER, GOWEN, SEIDMON, HIRSCHBERG, MASON, ANGELA, BERG, KRUEGER, CORBUS, HAGELE, JONES, WASICK.
Assistants: DORRELL, BLANK, BUCK, DONAHUE, SIEMON, WHITCOMB, BELL, FISHKIN.
Cooperating: Dr. MUEHLBERGER.

Following the courses in anatomy and physiology of the first year, the student is prepared to undertake studies on the nature and causation of disease. Pathogenic bacteriology, both general and special, is given the first semester of the second year. Morphology and physiology of micro-organisms are presented and the principles of immunity stressed. General pathology follows in natural sequence in the second semester and during the latter part of this period special pathology and laboratory diagnosis are presented. A continuation course in special pathology with emphasis on autopsies and gross morbid anatomy in the first semester of the third year concludes the formal instruction in this department.

REQUIRED COURSES—SECOND YEAR

1. GENERAL BACTERIOLOGY AND PROTOZOOLOGY.—Lectures, demonstrations, and laboratory. I, (9). Professor ARNOLD, Associate Professor NEDZEL, and others.
2. GENERAL PATHOLOGY AND PATHOLOGICAL HISTOLOGY.—Lectures, recitations, demonstrations, and laboratory. II, (12). Professor PETERSEN, Assistant Professor MILLES, Dr. KEARNS, Dr. LEVINE, and others.
3. CLINICAL PATHOLOGY.—Chemical and microscopical examination of urine, feces, and blood, with emphasis on technic. Lectures, demonstrations, and laboratory. II, (5). Associate Professor LEVINSON, Mr. MACFATE, and others.
4. PREVENTIVE MEDICINE.—General principles of prevention of disease. Epidemiology. II, (2). Professor ARNOLD and others.

REQUIRED COURSES—THIRD YEAR

10. AUTOPSIES.—Routine postmortem examinations, practical work, and demonstrations. One 2-hour period per week. I and II, (2). Associate Professor LEVINSON, Assistant Professor MILLES, and others.

11. Special Pathology.—Gross and microscopic examination of pathological material, postmortem bacteriology, and experimental pathology. One 3-hour period per week. II, (3). Associate Professors Pilot and Saphir, Assistant Professor Milles, and others.

Required Courses—Fourth Year

50. Industrial Hygiene and Public Health.—Industrial and occupational diseases; control and prevention. II, (2). Professor Arnold, Dr. Beach, Dr. Kronenberg.

Elective Courses

(Open only to properly qualified students. Time to be arranged.)

51. Advanced Work and Research.—Professors Petersen and Arnold.
52. Industrial Hygiene.—Professor Arnold, Dr. Beach, Dr. Kronenberg.
53. Advanced Work in Public Health.—Professor Arnold.
54. Diagnosis of Tumors.—Professor Petersen, Associate Professor Pilot, Assistant Professor Milles, Dr. Melnick.
55. Legal Medicine.—Associate Professor Levinson, Dr. Kearns, Dr. Melnick, Dr. Muehlberger.
56. Introductory Course in Public Health.—General survey of the field of public health practice, including vital statistics, epidemiology, sanitary science, general and specific methods of controlling communicable diseases, and a study of public health practice, duties, requirements, and functions of medical public health officers. (32 lectures). Elective for third-year and fourth-year students. II. Professor Arnold.

Courses for Graduate Students

101. Advanced Pathogenesis.—Pathology and bacteriology. (*1 to 3 units*). Professors Davis, Petersen, and Arnold, Associate Professor Pilot.
103. Individual Research.—(*1 to 4 units*). Professors Davis, Petersen, and Arnold, Associate Professor Pilot.

PEDIATRICS

Professors: Hess (Head of the Department), Earle (Emeritus), Irish, Blatt.
Associate Professors: Poncher, Hamilton.[1]
Assistant Professors: Bower, Calvin, Rosenblum, Bronstein.
Associates: Goldberger, Chamberlain, Robins, Saltiel, Gasul, Hoffman, Leichenger, Weinfeld.
Instructors: Levin, Pauker, Halpern, Suldane, Padnos, Tigay, Klein, Levinson, Schneider, Abelson, Baratz, Jacobs, Reals, Spaeth.
Assistants: Baxter, Richter, Breslow. Ricewasser, Gettelman,[2] Wolf.[2]
Cooperating: Professor Schroeder, Mrs. Perce.

Required Courses—Third Year

10. Growth and Development.—Nutrition and nutritional disturbances in infancy and childhood. Lectures and clinical conferences. I, (1). Professor Hess, Associate Professor Poncher.
11. Diseases in Infancy and Childhood.—Group lecture and quiz. II, (1). Professor Irish and others.
12. Clinical Demonstration of Nutrition and Nutritional Disturbances in Infancy and Childhood.—Cook County Hospital. Eight weeks. I and II, (1). Dr. Gasul.
14. Clinical Demonstration of Diseases in Infancy and Childhood.—Cook County Hospital. Eight weeks. I and II, (1). Assistant Professor Bower.
15. Lectures and Clinical Demonstration of Contagious Diseases.—Cook County Hospital. Four weeks. I and II, (2). Dr. Leichenger, Dr. Levin.
16. Clerkship.—Supervised case study of patients in the pediatric ward of the Re-

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[1] Beginning January 5, 1939. [2] Beginning February 1, 1939.

search and Educational Hospital. Small groups. Six 3-hour periods. I and II. Associate Professor PONCHER, Dr. BRESLOW.

REQUIRED COURSES—FOURTH YEAR

50. SUPERVISED CASE STUDY AND CONFERENCE ON DISPENSARY PATIENTS IN PEDIATRIC DISPENSARY.—Correlation of personality makeup and intelligence with disease process. Research and Educational Hospital. One 2-hour period per week. Two weeks, I and II. Dr. WEINFELD, Mrs. PERCE, and members of the dispensary staff.
51. CLINICAL DEMONSTRATION OF DISEASES OF CHILDHOOD.—Research and Educational Hospital. One 2-hour period per week. I and II. Professor HESS.
52. CLINIC.—Physical diagnosis and clinical demonstration of diseases of infancy. Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Associate Professor PONCHER.
53. CLINIC.—Demonstration of diseases of the heart and lungs in infancy and childhood. Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Professor BLATT.
54. CLERKSHIP.—Group demonstration and discussion every morning for one week. Municipal Contagious Hospital. Dr. SPAETH and members of the Municipal Contagious Hospital staff.

ELECTIVE COURSES—THIRD AND FOURTH YEARS

70. TUBERCULOSIS.—Eight weeks, I and II, (1). Dr. GASUL.
71. DISEASES OF THE BLOOD-FORMING ORGANS IN INFANCY AND CHILDHOOD.—Eight weeks, I and II, (2). Associate Professor PONCHER. (Not given in 1938-1939.)
72. MENTAL HYGIENE IN INFANCY AND CHILDHOOD.—Eight weeks, I and II, (1). Professor SCHROEDER.
73. ENDOCRINOLOGY IN INFANCY AND CHILDHOOD.—Sixteen weeks, I and II, (1). Assistant Professor BRONSTEIN.
74. PRINCIPLES OF PEDIATRICS.—Review course. Sixteen weeks, I and II, (1). Dr. KLEIN.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN PEDIATRICS.—(*1 to 3 units*). Professor HESS, Associate Professor PONCHER.

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Professors: McGUIGAN (Head of the Department), FANTUS, CAMP.
Assistant Professors: EWING.
Professorial Lecturers: MUEHLBERGER.
Instructors: HIGGINS, DYNIEWICZ.
Assistants: GANT, BLICKENSDORFER.

REQUIRED COURSES—SECOND YEAR

1. PHARMACOLOGY.—Lectures and laboratory. I, (8). *Prerequisite:* Physiology course 1, or equivalent; Physiological Chemistry courses 1 and 2, or equivalent. Professors McGUIGAN and CAMP, and others.
2. PHARMACOLOGY.—Lectures, quizzes, and laboratory. II, (5). Professors McGUIGAN and CAMP, and others.

REQUIRED COURSES—THIRD YEAR

15. THERAPEUTICS.—I, (2). Professors FANTUS and McGUIGAN, Miss DYNIEWICZ.

ELECTIVE COURSES

(Minimum registration: 5 students for each course. Time to be arranged.)

30. HISTORY OF PHARMACOLOGY AND TOXICOLOGY.—Review of modern books. Professors McGUIGAN and CAMP.

31. MATERIA MEDICA.—Prescription writing. Professors McGUIGAN and CAMP.
32. TOXICOLOGY.—Professors McGUIGAN and CAMP.
33. SYSTEMIC PHARMACOLOGY.—(a) eye, (b) digestive systems, (c) respiratory system, (d) autonomic nervous system, (e) blood, (f) circulatory organs, heart, and kidneys. Professors McGUIGAN and CAMP.
34. FUNDAMENTAL PRINCIPLES OF THERAPY.—Professor FANTUS.
35. CORRELATION OF PHARMACOLOGY AND THERAPEUTICS.—Professors McGUIGAN and CAMP.
36. SEMINAR.—Open to selected students. Members of the staff.

COURSES FOR GRADUATE STUDENTS

101. ADVANCED PHARMACODYNAMICS.—(*1 to 3 units*). Professors McGUIGAN and CAMP.
103. RESEARCH IN PHARMACODYNAMICS.—(*1 to 3 units*). Professors McGUIGAN and CAMP.

PHYSIOLOGICAL CHEMISTRY

Professors: WELKER (Head of the Department).
Associate Professors: BERGEIM.
Assistant Professors: COLE.
Associates: JOHNSON.
Instructors: BRIGGS.
Assistants: HARVEY.
Cooperating: Professor KEETON.

REQUIRED COURSES—FIRST YEAR

1. PHYSICAL AND CHEMICAL PROPERTIES OF SOLUTIONS.—Chemistry of carbohydrates, lipides, and proteins; enzymes and digestion. Lectures, demonstrations, conferences, and laboratory. I, (6). Professor WELKER and others.
2. CHEMISTRY OF BILE, BLOOD, MILK, AND TISSUES.—Metabolism; chemistry of urine (qualitative and quantitative). Lectures, demonstrations, conferences, and laboratory. II, (6). Professor WELKER and other members of the staff. (*Note:* Approximately eight hours of the lectures will be delivered by Professor KEETON, of the Department of Medicine, to correlate the work in Physiological Chemistry with Medicine.)

ELECTIVE COURSES

(Open to qualified students. Time to be arranged.)

60. SPECIAL TOPICS IN BIOCHEMISTRY.—Blood analysis; vitamin studies; methods and clinical significance. I or II. Associate Professor BERGEIM.
61. PHYSICAL AND COLLOID CHEMISTRY.—Elements of physical and colloid chemistry and their application to biology and medicine, with emphasis on the chemistry of proteins. I or II. Assistant Professor COLE.
62. PROTEINS.—Methods of preparation of pure proteins and study of their immunological and chemical properties. I or II. Professor WELKER.

BIOCHEMICAL SEMINAR.—The members of the teaching staff and graduate students in physiological chemistry meet weekly to discuss the current literature.

RESEARCH.—The laboratories are open to persons with the requisite training for the conduct of original investigations under direction of members of the staff.

COURSES FOR GRADUATE STUDENTS

101. ADVANCED BIOLOGICAL CHEMISTRY.—Biochemical methods of research, biological colloids, enzyme action, and metabolism. (*1 or 2 units*). Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.
102. METALLURGICAL RESEARCH.—(*1 or 2 units*). Professor WELKER.
103. BIOCHEMICAL RESEARCH.—(*1 or 2 units*). Professor WELKER, Associate Professor BERGEIM, Assistant Professor COLE.

PHYSIOLOGY

Professors: WAKERLIN (Head of the Department), BACHEM, GELLHORN.
Associate Professors: REED.
Associates: DARROW, INGRAHAM, STRUCK.
Instructors: STECK, MINARD, BARNES.
Assistants: KLEIN.
Cooperating: Professor HARTUNG, Dr. WACHOWSKI.

REQUIRED COURSES—FIRST YEAR

1. HUMAN PHYSIOLOGY.—General physiology, physiology of blood circulation and respiration. Lectures, quiz-conferences, demonstrations and laboratory, with clinical demonstrations and correlations by members of the clinical departments. II, (7). Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED, and others.

REQUIRED COURSES—SECOND YEAR

2. HUMAN PHYSIOLOGY.—Continuation of course 1. Physiology of muscle, nerve, digestion, metabolism, endocrines, and excretion; physiology of the nervous system and of the senses. I, (11). Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED, and others.

3. HUMAN BIOLOGY AND PERSONALITY.—II, (1). Given in cooperation with the Department of Psychiatry and the Department of Criminology, Social Hygiene, and Medical Jurisprudence. Professors GELLHORN, SINGER, and others.

ELECTIVE COURSES

(Open only to qualified students. Time to be arranged.)

51. SPECIAL ADVANCED PHYSIOLOGY.—This course is designed to meet the needs of students desiring advanced, detailed knowledge of a limited field, and in each semester different fields are selected and announced in advance. Subjects covered are: Blood, heart, muscle, gastro-intestinal tract, endocrinology, general metabolism and nutrition, growth, and neurophysiology. Professors WAKERLIN and GELLHORN, Associate Professor REED.

55. PROBLEMS IN PHYSIOLOGY.—Professors WAKERLIN and GELLHORN, Associate Professor REED.

72. PHYSICS, BIOLOGY, AND THERAPY OF RADIANT ENERGY.—Short waves, infra-red, ultra-violet, high frequency, roentgen rays and radium. II, (1). Professor BACHEM, Dr. WACHOWSKI. (Same as course 72 under Roentgenology.)

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN PHYSIOLOGY.—(*1 to 3 units*). Professors WAKERLIN and GELLHORN, Associate Professor REED.

102. RESEARCH IN BIOPHYSICS.—(*1 to 3 units*). Professor BACHEM.

103. SEMINAR IN SELECTED FIELDS.—(*1 unit*). Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED.

104. CURRENT LITERATURE SEMINAR.—(½ *unit*). Recommended for all graduate students in physiology. Professors WAKERLIN, BACHEM, and GELLHORN, Associate Professor REED.

PSYCHIATRY

Professors: SINGER (Head of the Department), METTLER[1] (Emeritus).
Associate Professors: ALEXANDER.
Assistant Professors: OLKON, LOW, SOLOMON.
Associates: KRAINES, BOSSELMAN, SHERMAN, RHEINGOLD, SZUREK.
Lecturers: ZIEGLER.
Instructors: KUHNS, BRODER, PASKIND.
Assistants: SKORODIN, SONENTHAL, KAPLAN, BLAUROCK, ROSS, SACHS, WADE, MACDOUGALL.
Cooperating: Professors SCHROEDER and GELLHORN, Assistant Professor DIAMOND.

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[1] Deceased March 20, 1939.

The instruction aims to establish an objective view of human behavior under conditions of health and illness, founded on biologic principles. There is therefore close coordination with instruction in physiology. During the first two years, instruction is given in the biologic principles of behavior, chiefly didactic and required reading, but illustrated with case material. In the third year, pathologic modifications of behavior are studied by lecture methods and in connection with clerkships on the medical wards. In the fourth year, opportunities are provided for the study of patients with various forms of mental illness in the dispensary and in the psychiatric wards, together with special case discussions in the fields of the psychoneuroses and psychoses.

Required Courses—First Year

1. Human Biology and the Relations between the Organism and Its Environment.—II, (1). Four weeks. Given in connection with Physiology course 1. Professor Gellhorn and members of the Psychiatry staff.

Required Courses—Third Year

10. Pathology and Prevention of Mental Deficiency, Mental Disease, and Delinquency.—II, (2). Professors Singer and Schroeder, and others.

12. Clerkship.—Clinical instruction in mental examination of patients on medical wards. Instruction given during clerkship on medical wards. I and II. Dr. Szurek, Dr. Bosselman.

Required Courses—Fourth Year

51. Dispensary.—Psychiatric cases referred by other departments. Five 2-hour periods per week for two weeks.

52. Psychiatry.—Examination of patients in wards of psychiatric Institute and discussion of cases with small groups. I and II, (1½). Professor Singer and others.

53. Clinic.—Psychoneuroses with examination of patients and discussion of cases; methods of diagnosis and therapy. One 2-hour period per week for eight weeks. I and II. Assistant Professor Low.

54. Clerkship.—Wards of Psychiatric Institute. Small groups. Four hours a day for one week. I and II. Assistant Professor Low and others.

Elective Courses—Fourth Year

71. Clinical Psychiatry.—Eight weeks. II, (1). *Prerequisite:* Course 52. Practical demonstrations in the evaluation of symptoms. Assistant Professor Low.

Special Courses for Physicians

90. Clinical Course.—Designed to present methods of examination and indications for treatment. Includes attendance at clinics and ward rounds, work in anatomy, physiology, pathology, serology, etc. Hours to be arranged. Registration limited. For fees, see page 31.

Courses for Graduate Students

101. Research in Psychiatry.—(*1 to 3 units*). Professor Singer.

ROENTGENOLOGY

Professors: Hartung.
Associates: Wachowski, Beilin.
Instructors: Ledoux, Johnson.
Assistants: Schmidt.

The diagnostic and therapeutic applications of roentgen rays in the entire field of medicine are presented by means of lectures, film and slide demonstrations, and observation of clinical material.

REQUIRED COURSES—FOURTH YEAR

50. ROENTGENOLOGY.—Application of roentgen rays to medicine and surgery. Lectures and demonstrations. I, (2). Professor HARTUNG.
51. DISPENSARY.—Technic, interpretation, and therapy. Six 2-hour periods. Two weeks, I and II. Professor HARTUNG, Dr. WACHOWSKI, Dr. JOHNSON, Dr. LEDOUX.

ELECTIVE COURSES—FOURTH YEAR

70. INTERPRETATION OF ROENTGEN FILMS OF THE SKELETAL STRUCTURES.—I, (1). Professor HARTUNG.
71. INTERPRETATION OF ROENTGEN FILMS OF THE INTRA-CRANIAL, INTRA-THORACIC, AND INTRA-ABDOMINAL STRUCTURES.—II, (1). Professor HARTUNG, Dr. BEILIN.
72. PHYSICS, BIOLOGY, AND THERAPY OF RADIANT ENERGY.—Short waves, infra-red, ultra-violet, high frequency, roentgen rays and radium. II, (1). Professor BACHEM, Dr. WACHOWSKI. (Same as course 72 under Physiology.)

SPECIAL COURSES FOR PHYSICIANS

90. CLINICAL COURSE.—Designed for those desiring to take up roentgenology as a specialty. Includes theoretical and practical teaching of the use of roentgen rays and radium for diagnosis and treatment. Offers opportunity to observe the technic of all standard roentgen examinations. Instruction given in interpreting findings on films and fluoroscopic screen and in the application of radiation to superficial and deep lesions. Extends over two periods of four months each. Registration limited. Hours: 8:30 to 12:00 m. and 2:00 to 5:00 p.m. For fees, see page 31.

SURGERY

Professor COLE (Head of the Department)

A. GENERAL SURGERY

Professors: HARSHA (Emeritus), C. DAVISON (Emeritus), HUMISTON (Emeritus), L. SCHULTZ (Emeritus), PERCY, DYAS (Emeritus), PHIFER, DE TARNOWSKY.
Associate Professors: POST, NADEAU, BAMBERGER, KOUCKY, MCARTHUR, MALCOLM, SEED, DE TAKATS, PUESTOW, VAN HAZEL, JIRKA.
Assistant Professors: KORDENAT, MORA, SARMA, LYON, HAZLETT, SPIVACK, ODEN, PORTIS, L. W. SCHULTZ, MEYER.
Associates: STEPHENS, JOANNIDES, ZECHEL, SCUDERI, CROUTCH, STEIN, WERNICKE, GREEN, ALMQUIST, BECK, MCMILLAN, PONTIUS.
Instructors: MISHKIN, R. M. DAVISON, BAKER, BROWN, HALEVY, FLANNERY, GOODMAN, WAGNER, JAFFRAY, CLOWES, LOTSPIECH, GREELEY, PICK.
Assistants: PARKER, MARQUARDT, SAHLSTROM, STROHL, MATTHIES, THOREK, IRENEUS, SLAUGHTER, DIFFENBAUGH, FOWLER, HOLUB, ROTH, JESSER, HANSON, KANTHAK, PALMER.

Class work in surgery is begun in the second semester of the second year, and consists of an informal introductory and quiz course covering such problems as surgical bacteriology, infections, and wounds. Work of the third year includes a formal didactic course and a clerkship in Cook County Hospital; eight weeks in the dispensary, taking histories and examining patients whose cases are discussed with the student by the staff men, and in several clinics which attempt to acquaint the student with clinical material. In the fourth year still more attempt is made to have the student take care of patients and get acquainted with various methods of surgical care. A four-week ward clerkship at Illinois Research Hospital is designed to present the clinical material in this way. During the fourth year the student is allowed considerable liberty in outlining his own study, and is encouraged to refer to current literature and textbooks about the clinical material as it is presented in the various clinics and clerkships.

REQUIRED COURSES—SECOND YEAR

1. INTRODUCTION TO SURGERY.—Asepsis, surgical bacteriology, infections, surgical methods, wounds, shock, hemorrhage, surgery of blood vessels and lymphatics. II, (1). Dr. STEIN, Dr. JOANNIDES, Dr. ZECHEL, Dr. STROHL.

REQUIRED COURSES—THIRD YEAR

10. FUNDAMENTAL PRINCIPLES OF SURGERY.—Recitation course. Continuous through I and II, (2). Professor PHIFER, Associate Professors POST and BAMBERGER, Assistant Professor KORDENAT.
11. SURGICAL PATHOLOGY.—One 1-hour period. II. Associate Professor MALCOLM.
12. SURGICAL DIAGNOSIS.—Research and Educational Hospital. I and II, (1). Professor COLE, Assistant Professor MEYER.
13. GENERAL SURGICAL OPERATIVE CLINIC.—Research and Educational Hospital. One 2-hour period per week. Eight weeks, I and II. Associate Professor MALCOLM.
14. GENERAL SURGICAL OPERATIVE CLINIC.—Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Associate Professor JIRKA.
15. GENERAL SURGICAL CLINIC.—St. Luke's Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor HAZLETT.
16. SURGICAL DISPENSARY.—History-taking, diagnosis, minor surgery, and surgical dressings. Research and Educational Hospital. Three 2-hour periods per week. Eight weeks, I and II. Associate Professors MALCOLM, DE TAKATS, and VAN HAZEL, Assistant Professors MORA and SARMA, and others.
17. INDUSTRIAL SURGERY.—St. Luke's Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor LYON.
18. SURGICAL CLERKSHIP.—History taking and methods of examination. Cook County Hospital. Six 3-hour periods per week. Two weeks, I and II. Dr. SCUDERI and others.

ELECTIVE COURSES—THIRD YEAR

30. SURGICAL DIAGNOSIS.—I, (1). Assistant Professor ODEN.
31. REGIONAL SURGICAL ANATOMY.—I, (1). Dr. ZECHEL.
32. SURGICAL DIAGNOSIS AND BLOOD TRANSFUSION.—Individual instruction and demonstration. I, (1). Assistant Professor KORDENAT.
33. SURGICAL REVIEW.—II, (2). Assistant Professor MORA, Dr. PARKER.
35. WARD ROUNDS, EMERGENCY SURGERY.—Cook County Hospital. I and II, (1). Assistant Professor PORTIS, Dr. ROTH.

REQUIRED COURSES—FOURTH YEAR

50. SURGICAL DIAGNOSIS.—Research and Educational Hospital. Continuous through I and II, (1). Professors COLE and DE TARNOWSKY.
52. GENERAL SURGICAL OPERATIVE CLINIC.—Cook County Hospital. One 2-hour period per week. Eight weeks, I and II. Assistant Professor PORTIS.
53. GENERAL SURGICAL OPERATIVE CLINIC.—Augustana Hospital. One 2-hour period per week. Four weeks, I and II. Professor PERCY.
54. GENERAL SURGICAL OPERATIVE CLINIC.—Cook County Hospital. One 2-hour period per week. Four weeks, I and II. Associate Professor KOUCKY.
56. THORACIC SURGERY.—Research and Educational Hospital. One 1-hour period. II. Associate Professor VAN HAZEL.
57. SURGICAL CLERKSHIP.—Research and Educational Hospital. Four weeks, 4 hours per day. Students are assigned patients and are responsible for the history and laboratory work. Includes general, oral, neuro-circulatory, and genito-urinary surgery, as well as practical experience in giving anaesthetics. I and II. Professors COLE and MCKENNA, Associate Professors DE TAKATS and PUESTOW, Assistant Professor SCHULTZ.
60. MINOR SURGERY.—One 2-hour period per week. Four weeks, I and II. Assistant Professor MORA, Dr. CROUTCH.
61. SURGICAL PATHOLOGY.—Laboratory. One 2-hour period per week. Eight weeks, I and II. Associate Professor NADEAU.

ELECTIVE COURSES—FOURTH YEAR

70. RESEARCH ON ASSIGNED PROBLEMS.—Professor COLE and others.
72. PRACTICE OF SURGERY.—I, (1). Associate Professor MALCOLM.
74. OPERATIVE SURGERY ON ANIMALS.—One 2-hour period per week. II. Assistant Professor SPIVACK.
75. SURGICAL TECHNIC.—II, (1). Associate Professor PUESTOW.
76. EMERGENCY SURGERY.—II, (1). Associate Professor SEED.
77. SURGERY OF THE THORAX.—I, (1). Associate Professor VAN HAZEL.
79. SURGERY OF THE COLON, RECTUM, AND ANUS.—II, (1). Dr. PONTIUS, Dr. MCMILLAN.
80. SURGERY OF THE SYMPATHETIC NERVOUS SYSTEM.—II, (1). Associate Professor DE TAKATS.
82. TRAUMATIC SURGERY.—I and II, (2). Dr. SCUDERI.
83. EMERGENCY SURGERY.—I, (1). Professor DE TARNOWSKY.
84. SURGICAL REVIEW.—I, (2). Assistant Professor MORA, Dr. PARKER.
85. WARD ROUNDS, EMERGENCY SURGERY.—Cook County Hospital. (Limited to 15 students). I and II, (1). Associate Professor KOUCKY, Dr. BECK.
86. WARD ROUNDS, EMERGENCY SURGERY.—Cook County Hospital. I and II, (1). Associate Professor JIRKA, Assistant Professor SARMA.

COURSES FOR GRADUATE STUDENTS

101. RESEARCH IN SURGERY.—(*1 to 3 units*). Professor COLE, Associate Professors HERROLD, DE TAKATS, and PUESTOW.

B. UROLOGY

Professors: MCKENNA.
Associate Professors: O'CONOR, HERROLD.
Associates: RITCH, GERNON.
Instructors: PLATIN, SCHACHT, KIEFER.
Assistants: CAMBRIDGE, DRABANSKI, SORENSEN, DYKHUIZEN, HOLM.

REQUIRED COURSES—THIRD YEAR

10. FUNDAMENTALS OF UROLOGY.—Conferences and recitations. I, (1). Professor MCKENNA, Associate Professors O'CONOR and HERROLD, Dr. GERNON, Dr. SCHACHT, Dr. KIEFER.

ELECTIVE COURSES—THIRD YEAR

30. UROLOGY.—Limited to 30 students. I, (1). Professor MCKENNA, Dr. DRABANSKI.

REQUIRED COURSES—FOURTH YEAR

11. DISPENSARY.—History-taking, diagnosis, and treatment. Research and Educational Hospital. Three 2-hour periods. Four weeks, I and II. Professor MCKENNA, Associate Professor HERROLD, Dr. KIEFER, and others.
50. CLINIC.—Research and Educational Hospital. One 2-hour period. Four weeks, I and II. Professor MCKENNA.

ELECTIVE COURSES—FOURTH YEAR

70. SURGERY OF THE GENITO-URINARY TRACT.—II, (1). Professor MCKENNA, Associate Professors O'CONOR and HERROLD, Dr. KIEFER.

C. ANAESTHESIA

Dr. BRUNNER, Associate

REQUIRED COURSES—THIRD YEAR

10. ANAESTHESIA.—One-half of class, eight weeks. II. Dr. BRUNNER and others.

REQUIRED COURSES—FOURTH YEAR

57. CLERKSHIP.—Given as a part of Surgery 57 (Surgical Clerkship). Under supervision, the student gives the anaesthetic on the patients assigned to him on the ward. I and II. Dr. BRUNNER and others.

COLLEGE ORGANIZATIONS

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE

President—William A. Plice, '02, 4010 W. Madison St., Chicago.
President-Elect—Colonel M. A. Reasoner, '99, U. S. Post Office, Canal and Van Buren St., Chicago.
First Vice-President—John M. Lang, '00, 4754 W. Washington Blvd., Chicago.
Second Vice-President—L. Rock Sleyster, '02, 25 E. Washington St., Chicago.
Secretary-Treasurer—M. H. Streicher, '24, 307 N. Michigan Ave., Chicago.
Necrologist—Felix Renberg, '05, 1531 E. 68th St., Chicago.
Alumni Councillors—
Frank C. Linden, '89, 1913 S. Halsted St., Chicago.
M. Hubeny, '09, 25 E. Washington St., Chicago.
Isadore Pilot, '17, 185 N. Wabash Ave., Chicago.
Frank L. Stone, '10, 30 N. Michigan Ave., Chicago.
Clara Gottschalk, '15, 5217 N. Magnolia Ave., Chicago.
W. H. Browne, '21, 2051 N. Sedgwick St., Chicago.
M. R. Weidner, Jr., '33, 417 Lincoln Ave., Dolton.
Adolph Hartung, '08, 738 Junior Terrace, Chicago.
Ralph Kordenat, '21, 3959 N. Lincoln Ave., Chicago.
Albert VanderKloot, '15, 5 S. Wabash Ave., Chicago.
Carl Uthoff, '24, 420 Prospect St., Elmhurst.
Ford Hick, '30, 540 N. Cuyler Ave., Oak Park.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in fifty-six "Class A" medical schools, was founded at the College of Medicine of the University of Illinois in 1902. Third-year and fourth-year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

Group I.—Class of 1939

Sheldon Edward Domm
Carl Robert Newman
Edward Bernard Plattner
Robert Rice Snively
Irving Herman Zitman

Group II.—Class of 1939

George Joseph Brebis
Jack Walter Dworin
Norman James Ehrlich
Harold Martin Engle
Howard Russell Hone
Harold Todd Klein
Dorothy Jean Niederman
Julius Benjamin Richmond
Albert Joseph Simon
Leo Tepper
George Edward Twente
LeRoy Eugene Walter
Homer Fauquier Weir

Honorary Membership.—Arthur E. Hertzler

Group I.—Class of 1940

Milton Feinberg
Harold Frank Hailman
Gertrude Elizabeth Howe
Harve William Jourdan, Jr.
Virginia Kipke Pierce
Albert Robert Weinglass

PI KAPPA EPSILON

Pi Kappa Epsilon is a national honorary medical fraternity to which members are elected on the basis of character, personality, and professional qualities.

Faculty Adviser.—Dr. Hugo O. Deuss.
Faculty Member Elected in 1939.—Dr. Warren H. Cole.

Members Elected in 1938-1939

Armand Dorrance Albrecht
Henry Scholten Bernet
William Howard Blackburn, Jr.
John Sheldon Clark, Jr.
Oscar Leland DeLong
James Theodore Donosky
Ernst August Griep
Charles Wilson Hoffman
Glenn Arthur Hoss, Jr.
Jack Klein
Robert Clyde Lawson
Charles Wendell Malsbury
Lowell E. Massie
Thomas Walker O'Kane
Stephen Caswell Scott
Harmon DeForrest Seely
Robert Joseph Stephen
Max Edwin Webber
Gilbert Lawrence Wright

SIGMA XI

In the spring of 1928 the Society of Sigma Xi granted a charter for the organization of a chapter of this society at the College of Medicine of the University of Illinois. The society has for its object the promotion of research.

Officers for 1938-1939.—Dr. William H. Welker, President; Dr. I. Pilot, Vice-President; Dr. Isaac Schour, Secretary; Dr. Harold Lueth, Treasurer; Dr. Hugh A. McGuigan, Dr. D. J. Davis, and Dr. Warren H. Cole, Elective Members of the Executive Committee.

Elected to Active Membership (March 29, 1938).—Dr. Marcus R. Caro, Dr. Maynard K. Hine, Miss Mary Hull, Dr. Abraham J. Levy, Dr. Robert A. McGuigan, Dr. David M. Olkon.

Promotion from Associate to Active Membership.—Dr. Leon J. Aries, Dr. Marion Hood, Dr. Samuel Liebman, Mr. Herman C. Mason, Dr. Joseph C. Rheingold, Dr. Roy K. Snyder.

Elected to Associate Membership (March 29, 1938).—Dr. Melvin F. Blaurock, Dr. Murray M. Hoffman, Mr. Robert J. Jensik, Dr. Maurice Kaplan, Dr. Edgar H. Kramp, Dr. David Minard, Mr. Stanley W. Olson, Dr. Maurice D. Pearlman, Dr. John T. Reynolds, Dr. D. P. Slaughter, Dr. I. R. Sonenthal, Dr. Mitchell A. Spellberg, Dr. I. Spinka, Mr. Charles H. Stubenrauch, Jr., Mr. Boris S. Ury, Dr. P. K. Weichselbaum, Mr. Louis Yesinick.

At the Annual Meeting, held May 16, 1938, Dr. George H. A. Clowes, Director, Research Laboratory, Eli Lilly and Company, delivered a lecture on "Protein Surface Films."

The Annual Sigma Xi Prize of $25.00 for the best piece of scientific investigation on the part of any student in the College of Medicine, the College of Dentistry, or the Graduate School, who is without a salaried appointment from the Board of Trustees, was awarded to Messrs. Milton Engel and Philip Wesoke for their work entitled, "A Cephalometric Appraisal of Congenital Hypothyroidism."

Papers Read Before the Society, 1937-1938

"Combined Treatment of Dementia Praecox with Insulin, Metrazol, Fever, and Narcosis: A Clinical Experiment," Dr. A. A. Low.
"Creatine and Creatinine Excretion in Myotonia Congenita," Dr. Helen W. Wade.
"Studies of the Microscopic Cutaneous Vascular Architecture in the Major Psychosis with Special Reference to Dementia Praecox," Dr. D. M. Olkon.
"The Effect of the Intravenous Injection of Crystallized Egg Albumen on the Excretion of the Antigen and the Blood Proteins in the Urine," Dr. Frances A. Briggs.
"Asceptic Tubo-Valvular Gastrostomy," and "Artificial Ileo-cecal Valve," Dr. J. A. Glassman.
"Size of Cells in the Motor Area," Dr. G. Von Bonin.
"Protein Surface Films," Dr. George H. A. Clowes, Director, Research Laboratory, Eli Lilly and Company.

PHI MU PHI

(Physicians-Music-Fellowship)

Phi Mu Phi of the College of Medicine of the University of Illinois is composed of students who have served two years in one of the musical organizations. These include Men's Glee Club, Women's Glee Club, Concert Orchestra, and Dance Orchestra. Voice try-outs are held at the beginning of the fall season for those desiring to enter either of the Glee Clubs. Those with sufficient experience and training in instrumental music are admitted to the orchestras.

Officers of Phi Mu Phi.—HAROLD X. GERBER, President; Floyd BARRINGER, Vice-President; LOIS VISSCHER, Secretary; NORTON J. HOLDER, Treasurer; MAYNARD SHAPIRO, Publicity Manager; Dr. WILLIAM H. WELKER, Faculty Adviser.

STUDENT COUNCIL

The Student Council, composed of the president and three elected councilmen from each class, and the editor of the student paper, meets semi-monthly with the aim of discussing and solving problems of interest to the student body.

Fourth-Year

ADRIAN ROBERT OLECK, President
DONALD WILLIAM ANDERSON
KIEFFER EVANS FRANTZ
NORMAN BYRON GEYER
LAWRENCE ARNOLD LEVITIN
CARL ROBERT NEWMAN, Board of Control of Illini Scope
EDWARD BERNARD PLATTNER, Editor of Illini Scope

Second-Year

ARMAND DORRANCE ALBRECHT
THOMAS PHILIP BURTON
JOHN ROBERT GORDON
SIDNEY JOHN SHAFER

Third-Year

LENDALL DEE ARCHER
WILLIAM HOWARD BLACKBURN
ERNST AUGUST GRIEP
MONTIE MAGREE
CHARLES WENDELL MALSBURY, Secretary-Treasurer
JOSEPH WOODROW TELFORD, Vice-President
LOIS HELENA VISSCHER

First-Year

JOSEPH ROBERT O'DONNELL
GEORGE OLANDER, JR.
ROBERT JOSEPH POLAN
PAUL WESLEY SUNDERLAND

Board of Advisers

DR. WARREN H. COLE

ASSOCIATION OF MEDICAL STUDENTS

The Association of Medical Students, a national organization with chapters in most of the medical schools in the United States and Canada, is concerned with the ethical, economic, social, humanistic, and educational aspects of medicine. The local chapter has developed a cooperative book exchange, and has arranged several social events, lectures, debates, and symposia. Membership is open to every medical student.

DEGREES CONFERRED, 1938

Degree of Bachelor of Science in Medicine

Conferred in February, 1938

JOHN WILLIAM BALLOU
FLOYD SAMUEL BARRINGER
MICHAEL JOSEPH CAMPBELL
JACK WILLIAM MILLIS
EDWARD JOSEPH NAGODA
LEROY EUGENE WALTER
IRVING WEISSMAN

Conferred in June, 1938

MITRY PETER AJALAT
LENDALL DEE ARCHER
JULIUS NATHANIEL BELL
BRUNON BIELINSKI, A.B., University of Miami, 1930; B.S., Lewis Institute, 1932

Arnold Black, with Honors
Robert Seeley Bleier
Clinton Spencer Bond
Edward John Brophy
George Robert Chobot
William Lasselle Cochrane
Wilbur Randolph Cohlan
Arnold Louis Cohn, with Honors
Max Helix Cutler
Marvin Edward Eckberg, B.Ed., Northern Illinois State Teachers College, 1936
Leonard Harold Favus
Milton Feinberg, with High Honors
Edward George Feldman, with Honors
Nemo Dexter Gaines, B.Ed., Southern Illinois State Normal University, 1935
Walter Gaines, with Honors
Lawrence Ogden Goodman
Ferdinand Gorecki
Foster Ellsworth Gossard
Ernst August Griep
Eugenia Eleanor Gurskis
Harold Frank Hailman, with High Honors
Rowine Mae Hayes
Walter George Haynes
Jack S. Heimovitz, with Honors
Edgar O. Hughes
Edward John Jaruszewski, B.S., 1936
Grant Trempe Johnson
Harve William Jourdan, Jr., with High Honors
Marvin Stanley Kagen
Lester Kanter
Karlton Hubert Kemp
Theodore Kiersch
Virginia Kipke, with High Honors
John William Koenig
Earl Hilmer Koepke
Elwood Franklin Kortemeier
Sam Kruger
Paul Lilja Lane, D.D.S., University of Minnesota, 1923
Shirley William Lane
Arnold Harold Leavitt, A.B., 1937
Louis Lemberg
Carleton Walter Leverenz, Ph.G., 1925
Frank Michael Lhotka
Arthur Manning Lindsay
Sidney Samuel Litow
Rocco Vincent Lobraico, Jr.
Robert William Loeffler
Samuel Sebastian Lombardo
Montie Magree
Charles Wendell Malsbury, A.B., Illinois College, 1936
Stanley Joseph Mankowski
Charles Joseph Marino
Sidney Marks, with Honors
Irving Allen Matzner
Walter Mau
George Bradley McNeely, Jr.
Benjamin Samuel Meyer, Ph.B., University of Chicago, 1936, with High Honors
George Edward Morgan
Stephen Daniel Mosney, Jr.
Harold Robert Oberhill
Robert Porter O'Donnell
Thomas Walker O'Kane
Seymour Sidney Pastron
Roy Lee Patterson
Harold Morris Perlmutter, with Honors
James Donald Pierce
Theodore Zane Policandriotes
Seymour Lester Pollack
Louis Robert Prucher
Arthur Bernard Pyterek
Eleanore Aleen Reidell
Joseph Maurice Robbins
Bernice Shirley Rosen
Robert Emerson Ryde
Bernard J. Schaffer
Louis Schwartz
Wendell Paul Scott
Arthur Joseph Shapiro
Joseph T. Shulruff
Morris Siegel
Morton Simons
Gordon Gaskill Snider
John Paul Spomer
Theodore Robert Stevens
Lawrence LeRoy Swan
Hyman Tavris
Justus Earl Taylor, Jr.
Ernest Look Thompson
Robert Harold Tinker
Gertrude Rita Torczynski
Lois Helena Visscher, with Honors
George Norman Waniata, B.S., Armour Institute of Technology, 1931
Harvey Charles Waters
Max Edwin Webber
Jack Weinberg, M.D., 1937
Albert Robert Weinglass, with High Honors
Eugene Weiss, with Honors
Manuel Bertrand Weiss
Harvey White
Jane Ruth Winer
Joseph Albert Wloczewski, Jr.
Gilbert Lawrence Wright
Bernard Yaffe
Theodore Clarence Zeman, Ph.C., 1934
Nathan Zimmerman
Mitchell Zweig

Conferred in October, 1938

David Bennett
Harold Cohen
Francis Paul LaFata
Joseph Raider

BERNARD RATTNER
WILLIAM FARTHING SARGENT
HARMON DEFORREST SEELY
CARL ELMER WESTMARK
MEYER YANOWITZ

Certificate in Medicine

Presented in June, 1938

EDMUND ROY ADLER, B.S., 1936
MEYER STANLEY ALBIN
CLIFFORD WORDEN ATHERTON
JACK MARK BAILIS, B.S., 1937
JOHN WILLIAM BALLOU, B.S., 1938
HARRY E. BARNETT, B.S., 1936
WILBUR WHITTLER BAUMGARTNER, B.S., University of Chicago, 1933
RAYMOND EMANUEL BENSON, B.S., 1937
SAMUEL BERGER, B.S., 1936
RALPH CARL BERKELHAMER, B.S., 1936
MARK BERNSTONE,* B.S., 1936
GEORGE CHARLES BLAHA, B.S., Notre Dame University, 1934
CLINTON SPENCER BOND
JOHN AUGUST BOWMAN, JR., B.S., 1936
JACK E. BROOKS, B.S., 1936
PAUL HART BROWN, B.S., Wheaton College, 1934
GEORGE WHITHAM CARLIN, A.B., B.S., 1935, 1936
HORACE PEARSE CHRISTIAN, B.S., 1937
ROBERT ELMER COHENOUR, B.S., 1936
ARNOLD MELVIN COHN, B.S., 1937
PHILIP EDWARD COHN
BERNARD I. COOPERSMITH, B.S., 1936, with Honors
PATRICK THOMAS DOLAN, JR., B.S., 1936
EDMUND ROCHE DONOGHUE, B.S., 1936
VICTOR MURPHY DORRIS, B.S., 1936
DESALES GUILLAUME DUVIGNEAUD, B.S., 1936
HAROLD EINHORN
ALFRED BERNARD FALK, B.S., 1936
ROBERT ALAN FANTUS, B.S., 1936
EDWARD GEORGE FELDMAN
LEAH FISHER, B.S., 1936
EDMUND ARTHUR FLEXMAN, A.B., Carthage College, 1931
RICHARD GEORGE FORT, B.S., 1936
ISADORE FRIEDMAN, B.S., 1936
JACK FRIEDMAN, B.S., 1936
LEONARD DAVID FRIEDMAN, B.S., 1936
ROSE FROMM, B.S., 1936
RICHARD LAWRENCE FRUIN, B.S., 1936
SAMUEL THEODORE GERBER, B.S., 1936
GEORGE AUGUSTINE GODER, B.S., 1936
ROBERT MAURICE GOLDSTEIN, Ph.B., University of Chicago, 1932
RALPH GRADMAN, B.S., 1936, with Honors
ADELINE S. GREENBERG, B.S., 1936
GUS DEVATENOS GREGORY
MARVIN GRUBMAN, B.S., 1936, with Honors
EMIL GUTMAN, B.S., Battle Creek College, 1933
DOMINIC JOSEPH HAFTKOWSKI, B.S., 1936
EARL DOUGLAS HAMILTON, B.S., 1936
IRVING HANDWERGER, B.S., 1936
MARTIN FRANKLIN HANSON, B.S., 1936
ROBERT DEAN HART, B.S., 1937
JACK TILDEN HASKINS, B.S., 1936
JAMES CHARLES HAVRANEK, B.S., 1936
ROWINE MAE HAYES
WALTER GEORGE HAYNES
LORING SMITH HELFRICH, B.S., Knox College, 1932
CECILIA MARIAN HELLRUNG, A.B., 1935
HAROLD HERRON, B.S., 1936
MILTON HERZBERG, B.S., 1936
LOUIS JOSEPH HLAVACEK, B.S., Lewis Institute, 1930
MORIS HORWITZ, B.S., 1936
WAYNE COX HOWARD, B.S., 1934
EDWARD PACE IRONS
ROBERT JOSEPH JENSIK, B.S., 1936, with Honors
HERMAN JOFFE, B.S., 1936
JEROME KAISER, B.S., 1936
KARLTON HUBERT KEMP
WILLARD Z. KERMAN, B.S., 1936
MAX EDWARD KLEIN, B.S., 1937
MEYER KRUGLICK, B.S., 1936
EDWARD HOWARD LAMBERT, B.S., 1936, with High Honors
LOUIS SANFORD LAPID, B.S., 1936
SYDNEY ALEXANDER LERNER, B.S., 1936
CARLETON WALTER LEVERENZ, Ph.G., 1925
JACK LEVIN, B.S., 1937
JEROME JACK LUBIN, B.S., 1936
LOUIS MALOW, B.S., 1936
GERALD JOSEPH MENAKER, B.S., 1936
RUSSELL JOHN MERRET
BENJAMIN SAMUEL MEYER, Ph.B., University of Chicago, 1931, with Honors
HERBERT SAMUEL MILLER, B.S., 1936
BERNARD EDWARD MOISANT, B.S., 1936
GEORGE ENSLEY MOORE, A.B., Illinois College, 1934; B.S., 1936
GEORGE EDWARD MORGAN
EDWARD JOSEPH NAGODA, B.S., 1938
HARRY DEWITT NESMITH, B.S., 1937
HENRY JOSEPH NOWAK, B.S., Lewis Institute, 1934

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*Name changed to Mark Leo Stone, December 16, 1938.

JOHN WILLIAM O'CONNOR
STANLEY WILLIAM OLSON, B.S., Wheaton College, 1934, with High Honors
GEORGE JOSEPH O'NEIL
MAURICE DAVID PEARLMAN, B.S., 1936, with Honors
WESLEY EUGENE PELTZER, B.S., 1937
CLIFFORD HENRY PETERS, B.S., 1937
LAWRENCE WILLIAM PETERSON, B.S., 1936
ANTONIE SHIRLEY PETKUS, B.S., 1937
HARRY NICK PETRAKOS, B.S., 1936
WILLIAM NELSON PIPER, JR., B.S., 1936
KENNETH LEWIS PISTORIUS, B.S., 1936
FRANKLIN FRED PREMUDA, A.B., 1931
LOUIS ROBERT PRUCHER
JOHN COMPTON PURVEY
WILLIAM HENRY REQUARTH
MARION MASTERS RICKETTS, JR., B.S., 1936
MORRIS M. ROSENTHAL, B.S., 1936
HAROLD JEROME ROTHENBERG, B.S., 1936
OSCAR RUSHAKOFF, B.S., 1936
ROBERT EMERSON RYDE
ANDREW A. SANDOR, B.S., University of Chicago, 1934
WILLIAM FARTHING SARGENT
BERNARD J. SCHAFFER
MERLE HAROLD SCHWARTZ, A.B., Bluffton College, 1933
JOHN WESLEY SHEAGREN, B.S., 1936
MYER SHULMAN
FREDERICK GLEADALL SIMPSON, B.S., 1936
FANNIE FINKELSTEIN SKOLNIK, B.S., 1936, with Honors
LESTER LAWRENCE SMITH, A.B., Bradley Polytechnic Institute, 1934
MILTON JEROME SNEIDER, B.S., 1936
SAMUEL B. SPIRA, B.S., 1935
HENRY FRED STEINBOCK, B.S., 1936
JOSEPH FRANCIS STEININGER, B.S., 1936
CHARLES HENRY STUBENRAUCH, JR., B.S., 1936, with High Honors
ALBERT FREDERICK ROY SWATEK, B.S., 1936
CAESAR SWEITZER, B.S., Northwestern University, 1931
SYDNEY WILLIAM TAUBER, B.S., 1936
JACK TAYLOR
SIDNEY MERRILL TEPPER, B.S., 1936
ANNETTE VIOLA TESARIK, B.S., 1936
JOHN VERNON THOMPSON, B.S., 1936
GEORGE FREDERICK VON ASCH, B.S., 1936, with Honors
MERRILL WEINERT WAGNER
JOHN KEAY WALLACE, II, B.S., 1936
JACOB WALTER, B.S., 1936
ARNOLD HARRIS WARSHELL, B.S., 1936
BENJAMIN ABRA WEINBERG, B.S., 1936
ROY CYRIL WEINSTEIN, B.S., 1936
JEROME WEINTRAUB
CHARLES GILBERT WEISSMAN, B.S., 1936
GEORGE JOSEPH WIENMAN, B.S., 1936
FRED MILLER WILLIAMS, B.S., 1936
IRWIN FOX WILLIGER, B.S., 1936
SCOTTIE JACKSON WILSON, B.S., 1934
KENNETH JOHN WINTERS, A.B., University of Dubuque, 1934
BERNARD YAFFE
WARREN ASHLEY YEMM, B.S., 1936

Degree of Bachelor of Medicine

Conferred in February, 1938

GEORGE BUSH, B.S., 1937
MITCHELL LOUIS FRANK, B.S., 1937

Conferred in June, 1938

FREDERICK LEROY EAGLESTON, JR., B.S., 1937
ALFRED STUART EHRLICH, B.S., 1936
ROBERT CLARENCE HECKER, B.S., 1936
NICHOLAS VICTOR IUPPA
FRANK LOUIS JEDLICKA, B.S., 1936
ROY LEE PATTERSON
HENRY RICEWASSER, A.B., B.S., 1934, 1936
GEORGE NORMAN WANIATA, B.S., Armour Institute of Technology, 1931

Conferred in October, 1938

RUSSELL JOHN MERRET

Degree of Doctor of Medicine

(Conferred as of dates indicated)

MORRIS ABRAMS, B.S. (July 1, 1938)
J. JOSEPH ALION, B.S. (July 1, 1938)
ALBERT HARRY ARGENT (July 1, 1938)
WILLIS HUGH ATKINSON, B.S. (July 1, 1938)
ARTHUR LOUIS BARBAKOFF, B.S. (July 1, 1938)
SIDNEY MORRIS BERNSTEIN (July 1, 1938)
DUNCAN BIDDLECOMBE, B.S. (December 31, 1938)
JOHN DEMPSIE BOLAND, B.S. (July 1, 1938)
BRUCE MORGAN BROWN, B.S. (July 1, 1938)

Leo Jerome Brown, B.Ed., Southern Illinois State Normal University; B.S. (July 1, 1938)
Leonard Sumner Buck, B.S. (July 1, 1938)
Maurice Saul Burdick, B.S., University of Chicago (June 27, 1938)
Robert DeForrest Burley, B.S. (July 1, 1938)
George Bush, B.S., B.M. (July 1, 1938)
Alfred Hilton Cassidy, B.S., Lewis Institute; B.M. (July 1, 1938)
Bernard Manuel Chapman, B.S. (July 1, 1938)
Meyer Barney Cohen, B.S. (December 31, 1938)
Theodore Michael Cohen, B.S. (July 1, 1938)
Clarence Cohrs, B.S. (August 31, 1938)
Marshall A. Cousens, B.S. (July 1, 1938)
Earl Scott Davis (July 1, 1938)
Robert Fuller Dearborn, B.S. (July 1, 1938)
Bruno Anton Desulis (July 1, 1938)
Frank A. DeTrana (June 16, 1938)
Harry Louis Deutsch, B.S. (July 1, 1938)
Donald Dick, A.B., Cornell College (July 1, 1938)
Sol Paul Ditkowsky, B.S. (July 1, 1938)
Theodore Jacob Dulin, B.S. (July 1, 1938)
Katherine Duncan, B.S. (July 1, 1938)
Maurice Dunn, B.S. (with Honors, June 15, 1938)
Lester Horrow Eisendorf, B.S. (June 27, 1938)
Sydney Fabian (July 1, 1938)
Ernest Theodore Faigle, Ph.C., B.S. (July 1, 1938)
Joseph Edwin Faingold, Ph.C., B.S. (July 1, 1938)
Everett George Falconer, B.S. (July 1, 1938)
Philip Falk, B.S. (with Honors, June 16, 1938)
Abraham William Feldman, B.S. (July 1, 1938)
Bourke Firfer, B.S. (July 1, 1938)
Franz Karl Fleischli, B.S. (July 1, 1938)
Vladimir Christian Flowers, B.S. (July 1, 1938)
Robert George Fox, B.S. (June 20, 1938)
Mitchell Louis Frank, B.S., B.M. (July 1, 1938)
Wendel Rayburn Freeman, B.S. (July 1, 1938)
Maxwell Gage, B.S. (July 1, 1938)
Irwin Earle Gaynon, B.S. (June 15, 1938)
George Joseph David Gertz, B.S. (December 31, 1938)
William Nimmo Gilman, A.B., B.S. (July 1, 1938)
Herman Gladstone, B.S., Northwestern University (June 12, 1938)
Henry Bernard Goldt, B.S. (July 1, 1938)
Alan D. Green, B.S. (July 1, 1938)
Milton David Grossman (July 1, 1938)
Marie Anna Hagele, B.S., Lewis Institute; M.S. (with Honors, July 1, 1938)
Eugene Green Hamilton (July 1, 1938)
Harold Wayne Hammatt, B.S., B.M. (July 1, 1938)
John Richard Heaton, B.S. (July 1, 1938)
Jerome Frederick Heinrich, B.S. (July 1, 1938)
Friedy B. Heisler, B.S. (March 31, 1938)
Edmond Richard Hess, B.S. (July 1, 1938)
Howard Eugene Heyer, B.S. (with Honors, July 1, 1938)
James Leopold Hora, Ph.C., B.S. (June 12, 1938)
Isadore Mack Isoe, B.S. (December 31, 1938)
Abraham Izzak Jackman, B.S. (September 18, 1938)
Henry Joseph Jacobs, B.S. (July 1, 1938)
Hilerd Westley Jenkins, B.S. (December 31, 1938)
Leonard Alvin Kagen, B.S. (July 1, 1938)
Irwin Arthur Kallen, B.S. (with Honors, June 15, 1938)
Lowell Edwin Kannapel, A.B., Bradley Polytechnic Institute (June 16, 1938)
Samuel Kantor, B.S., Northwestern University (December 31, 1938)
Joseph Harold Kaplan, B.S. (December 31, 1938)
Max Kaplan, A.B., University of Rochester (December 31, 1938)
Walter Curtis Kinser, B.S. (July 1, 1938)
Richard Ernest Kinzer, B.S. (June 12, 1938)
Martin John Klapman, B.S. (July 1, 1938)
Karl Klokke, B.S., Wheaton College (July 1, 1938)
Meyer Walter Kobrin, B.S. (July 1, 1938)
Leonard Hyman Kolb, B.S. (June 15, 1938)

Walter S. Kotas, B.S. (July 1, 1938)
Meyer Kushner, B.S. (July 1, 1938)
George Jerome Kvidera, B.S. (September 30, 1938)
Herbert Lack, B.S. (with Honors, July 1, 1938)
Herbert Sol Lakin, B.S. (December 31, 1938)
Henry Peter Lattuada, B.S. (July 1, 1938)
Charles Richard Lenz, Jr., B.S. (July 1, 1938)
Alfred Joseph Lepak (July 1, 1938)
Milton Lerner, B.S. (July 1, 1938)
Joseph Milton Levenson, B.S. (July 1, 1938)
Myron Jame Levin, B.S. (August 31, 1938)
Edward Levine, B.S. (July 1, 1938)
Bernard M. Lipschultz, B.S. (July 1, 1938)
Robert Eugene Logsdon (August 31, 1938)
Gabe Celsor Long, B.S. (July 1, 1938)
Maurice Lorber, B.S., University of Chicago (July 1, 1938)
Victor Lorber, B.S., University of Chicago (with High Honors, July 1, 1938)
Edward Albert Luke, B.S. (July 1, 1938)
Burle Beauregard Madison (June 16, 1938)
Philip Milton Marcus, B.S. (July 1, 1938)
Thomas Anthony McInerney, B.S., Lewis Institute (July 1, 1938)
Jerome Saul Mehlman, A.B., Western Reserve University (with Honors, December 31, 1938)
Abraham Melamed, B.S. (June 24, 1938)
Joseph Rudolph Mitchell (July 1, 1938)
Leon Frank Moldavsky, A.B., Western Reserve University; M.S. (July 1, 1938)
Martin Luther Mosher, Jr., B.S. (June 12, 1938)
Raymond Brereton Murphy, B.S., Lewis Institute (with Honors, July 1, 1938)
Ernest Martin Nielsen (July 1, 1938)
Dorothy Kathryn O'Connor, A.B., B.S., B.M. (September 30, 1938)
Louis Olsman, B.S., M.S. (June 16, 1938)
Paul Joseph O'Neill, A.B., M.S., B.S., B.M. (September 30, 1938)
Carl Frank Palumbo (July 1, 1938)
Solomon Pearlman, Ph.B., University of Chicago (June 15, 1938)
Hyman Peck, Ph.C., B.S. (July 1. 1938)
Louis Judea Perlmutter, B.S. (July 1, 1938)
Paul Quayle Peterson, B.S. (July 1, 1938)
George Vernon Potter, B.S., B.M. (July 1, 1938)
Reuben Max Reifler, Ph.G., B.S. (December 31, 1938)
Milton Robin, B.S. (July 1, 1938)
William Rosenberg, B.S. (July 1, 1938)
Albert Hessel Rosenblatt, B.S. (July 1, 1938)
Robert R. Rothschild, B.S. (July 1, 1938)
Harry Osbourne Ryan, Jr., B.S. (September 30, 1938)
Zal Hyman Sanders, B.S. (July 1, 1938)
Francis Eugene Sauer, B.S. (July 1, 1938)
Margaret Mary Scannell, B.S. (July 1, 1938)
Walter William Schwartz, B.S. (December 31, 1938)
Walter Shriner, B.S., M.S., B.M. (July 1, 1938)
Wayne Pulley Sirles, B.S. (July 1, 1938)
Herschel Stanley Smith, A.B. (July 1, 1938)
Leo Smollar, B.S. (July 1, 1938)
Carl K. Solander, B.S. (July 1, 1938)
Edward Sosson, B.S. (July 1, 1938)
Robert Andrew Spencer, B.S. (December 31, 1938)
Isadore Spinka, B.S. (with Honors, July 1, 1938)
William Edward Steiner, B.S. (December 31, 1938)
Grant Suttie, B.S. (July 1, 1938)
Roy Frank Teborek, B.S. (July 1, 1938)
Milton Roy Tobias (July 1, 1938)
Russell Groves Trummel, B.S., M.S. (July 1, 1938)
Glen Hall Walker, B.S. (July 1, 1938)
James Bruce Waller, B.S. (June 16, 1938)
Reuben Robert Wasserman, B.S. (July 1, 1938)
David Wassermann, B.S., B.M., M.S. (December 31, 1938)
Paul K. Weichselbaum, B.S. (June 23, 1938)
Harry I. Weiner, B.S. (June 12, 1938)
Maybelle P. Williams, B.S., Shurtleff College; B.M. (June 29, 1938)
Ben K. Williamson, B.S., St. Ambrose College (July 1, 1938)
Allen Edward Winer, B.S. (June 15, 1938)
William Henry Wright, B.S. (August 31, 1938)
Dillman Forbes Ziegler, B.S. (July 1, 1938)
Joseph John Zuska, B.S. (with Honors, July 28, 1938)

REGISTER OF STUDENTS, 1938-1939

Fifth-Year Class—Hospital Appointments for 1938-1939

(Unless otherwise noted, hospitals are located in Chicago)

Adler, Edmund Roy, B.S., St. Mary of Nazareth Hospital.
Albin, Meyer Stanley, St. Margaret's Hospital, Hammond, Indiana.
Asch, George Frederick von, B.S., Cook County Hospital.
Atherton, Clifford Worden, St. Francis Hospital, Peoria, Illinois.
Bailis, Jack Mark, B.S., Jackson Park Hospital.
Baker, Dorothy Muriel, Traverse City State Hospital, Traverse City, Michigan.
Ballou, John William, B.S., Illinois Central Hospital.
Barnett, Harry E., B.S., Cook County Hospital.
Baumgartner, Wilbur Whittler, B.S., Municipal Contagious Hospital; Cook County Hospital.
Benson, Raymond Emanuel, B.S., St. Luke's Hospital.
Berger, Samuel, B.S., Cook County Hospital.
Berkelhamer, Ralph Carl, B.S., Englewood Hospital; Cook County Hospital.
Biddlecombe, Duncan, B.S., Cook County Hospital.
Bielinski, Brunon, A.B., B.S., St. Mary of Nazareth Hospital.
Blaha, George Charles, B.S., Cook County Hospital.
Bond, Clinton Spencer, B.S., Elgin State Hospital; Monmouth Memorial Hospital, Long Branch, New Jersey.
Bowman, John August, Jr., B.S., Grant Hospital.
Brooks, Jack E., B.S., Cook County Hospital.
Brown, Paul Hart, B.S., Queen's Hospital, Honolulu, Hawaii.
Carlin, George Whitham, B.S., A.B., St. Luke's Hospital.
Christian, Horace Pearse, B.S., West Suburban Hospital, Oak Park, Illinois.
Cohen, Meyer Barney, B.S., Cook County Hospital.
Cohenour, Robert Elmer, B.S., Ravenswood Hospital.
Cohn, Arnold Melvin, B.S., Swedish Covenant Hospital.
Coopersmith, Bernard I., B.S., Michael Reese Hospital.
Dolan, Patrick Thomas, Jr., B.S., St. Joseph's Hospital.
Donoghue, Edmund Roche, B.S., Augustana Hospital.
Dorris, Victor Murphy, B.S., Cook County Hospital.
Du Vigneaud, De Sales Guillaume, B.S., United States Public Health Service, Marine Hospital, San Francisco, California.
Eagleston, Frederick Le Roy, Jr., B.S., B.M., Augustana Hospital.
Ehrlich, Alfred Stuart, B.S., B.M., Cedars of Lebanon Hospital, Los Angeles, California.
Einhorn, Harold, University Hospital.
Falk, Alfred Bernard, B.S., Chicago State Hospital; Cook County Hospital.
Fantus, Robert Alan, B.S., Garfield Park Community Hospital.
Feldman, Edward George, B.S., Cook County Hospital.
Fisher, Leah, B.S., Mount Sinai Hospital.
Flexman, Edmund Arthur, A.B., Ravenswood Hospital.
Fort, Richard George, B.S., St. Francis Hospital, Evanston, Illinois.
Friedman, Isadore, B.S., Cook County Hospital.
Friedman, Jack, B.S., Lutheran Deaconess Hospital.
Friedman, Leonard David, B.S., St. Anthony de Padua Hospital.
Fromm, Rose, B.S., Women's and Children's Hospital.
Fruin, Richard Lawrence, B.S., B.M., United States Naval Hospital, Mare Island, Vallejo, California.
Fuqua, Harold Boyd, United States Public Health Service, Marine Base Hospital, New Orleans, Louisiana.
Gerber, Samuel Theodore, B.S., Swedish Covenant Hospital.
Gertz, George Joseph David, B.S., Cook County Hospital.
Goder, George Augustine, B.S., Henry Ford Hospital, Detroit, Michigan.
Goldstein, Robert Maurice, Ph.B., Grant Hospital.
Gradman, Ralph, B.S., Cook County Hospital.
Greenberg, Adeline, S., B.S., Illinois Research and Educational Hospital.
Gregory, Gus Devatenos, Cook County Hospital.
Grubman, Marvin, B.S., Cook County Hospital.
Gutman, Emil, B.S., Toledo Hospital, Toledo, Ohio.
Haftkowski, Dominic Joseph, B.S., St. Mary of Nazareth Hospital.
Hallett, Joseph Jacob, A.B., Illinois Research and Educational Hospital.
Hamilton, Earl Douglas, B.S., Ravenswood Hospital.
Handwerger, Irving, B.S., Garfield Park Community Hospital.
Hanson, Martin Franklin, B.S., Grant Hospital.
Hart, Robert Dean, B.S., Augustana Hospital.
Haskins, Jack Tilden, B.S., St. Anthony Hospital, St. Louis, Missouri.
Havranek, James Charles, B.S., St. Anne's Hospital.
Hayes, Rowine Mae, B.S., Illinois Research and Educational Hospital.
Haynes, Walter George, B.S., St. Luke's Hospital.
Hecker, Robert Clarence, B.S., B.M., St. Mary's Hospital, Racine, Wisconsin.
Helfrich, Loring Smith, B.S., M.S., Illinois Research and Educational Hospital.
Hellrung, Cecilia Marian, A.B., Norwegian-American Hospital.
Herron, Harold, B.S., St. Anthony Hospital, Oklahoma City, Oklahoma.
Herzberg, Milton, B.S,, St. Margaret's Hospital, Hammond, Indiana.
Hlavacek, Louis Joseph, B.S., Alexian Brothers Hospital.
Horwitz, Moris, B.S., Michael Reese Hospital.
Howard, Wayne Cox, B.S., Homer G. Phillips Hospital, St. Louis, Missouri.
Irons, Edward Pace, United States Public Health Service, Marine Hospital, Seattle, Washington.
Isoe, Isadore Mack, B.S., Cook County Hospital.
Iuppa, Nicholas Victor, B.M., St. Mary's Hospital, Rochester, New York.
Jedlicka, Frank Louis, B.S., B.M., Rochester General Hospital, Rochester, New York.
Jenkins, Hilerd Westley, B.S., Cook County Hospital.
Jensik, Robert Joseph, B.S., M.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Joffe, Herman, B.S., Cook County Hospital.
Kaiser, Jerome, B.S., Jackson Park Hospital.
Kantor, Samuel, B.S., Cook County Hospital.
Kaplan, Joseph Harold, B.S., M.D., Cook County Hospital.
Kaplan, Max, A.B., Michael Reese Hospital.
Kemp, Karlton Hubert, B.S., Santa Rosa Hospital, San Antonio, Texas.
Kerman, Willard Z., B.S., Cook County Hospital.
Klein, Max Edward, B.S., Mount Sinai Hospital, Milwaukee, Wisconsin.
Kruglick, Meyer, B.S., University Hospital.
Lakin, Herbert Sol, B.S., Cook County Hospital.
Lambert, Edward Howard, B.S., M.S., Michael Reese Hospital.
Lapid, Louis Sanford, B.S., Kings County Hospital, Brooklyn, New York.
Lerner, Sydney Alexander, B.S., Edgewater Hospital.

Leverenz, Carleton Walter, B.S., Ph.G., Ancker Hospital, St. Paul, Minnesota.
Levin, Jack, B.S., Ph.C., Cook County Hospital.
Lubin, Jerome Jack, B.S., Jackson Park Hospital.
Malow, Louis, B.S., Cook County Hospital.
Mehlman, Jerome Saul, A.B., Michael Reese Hospital.
Menaker, Gerald Joseph, B.S., Michael Reese Hospital.
Merret, Russell John, B.M., Southern Pacific Hospital, San Francisco, California.
Meyer, Benjamin Samuel, B.S., Ph.B., Michael Reese Hospital.
Miller, Herbert Samuel, B.S., St. Louis City Hospital, St. Louis, Missouri.
Moisant, Bernard Edward, B.S., St. Catherine's Hospital, East Chicago, Indiana.
Moore, George Ensley, A.B., B.S., Missouri Baptist Hospital, St. Louis, Missouri.
Morgan, George Edward, B.S., St. Anthony de Padua Hospital.
Nagoda, Edward Joseph, B.S., St. Vincent's Hospital, Toledo, Ohio; Grant Hospital.
Nesmith, Harry De Witt, B.S., Missouri Baptist Hospital, St. Louis, Missouri.
Nowak, Henry Joseph, B.S., Madison General Hospital, Madison, Wisconsin.
O'Connor, John William, Cook County Hospital.
Olson, Stanley William, B.S., Cook County Hospital.
O'Neil, George Joseph, Cook County Hospital.
Patterson, Roy Lee, B.S., B.M., Englewood Hospital.
Pearlman, Maurice David, B.S., M.S., Michael Reese Hospital.
Peltzer, Wesley Eugene, B.S., Illinois Research and Educational Hospital.
Peters, Clifford Henry, B.S., Illinois Research and Educational Hospital.
Peterson, Lawrence William, B.S., Illinois Research and Educational Hospital.
Petkus, Antonie Shirley, B.S., Hackley Hospital, Muskegon, Michigan.
Petrakos, Harry Nick, B.S., South Shore Hospital; Cook County Hospital.
Piper, William Nelson, Jr., B.S., St. Louis City Hospital, St. Louis, Missouri.
Pistorius, Kenneth Lewis, B.S., Grant Hospital.
Powell, Harry I., St. Margaret's Hospital, Hammond, Indiana.
Premuda, Franklin Fred, A.B., St. Catherine's Hospital, East Chicago, Indiana.
Prucher, Louis Robert, B.S., West Suburban Hospital, Oak Park, Illinois.
Purvey, John Compton, St. Francis Hospital, Evanston, Illinois.
Reeser, Wayne, B.S., Methodist Hospital, Dallas, Texas.
Reifler, Reuben Max, B.S., Ph.G., M.D., Cook County Hospital.
Requarth, William Henry, St. Luke's Hospital.
Ricewasser, Henry, A.B., B.S., B.M., Cook County Hospital.
Ricketts, Marion Masters, Jr., B.S., St. Luke's Hospital.
Rosenthal, Morris M., B.S., Mitchell Sanitarium Hospital, Peoria, Illinois; Cook County Hospital.
Rothenberg, Harold Jerome, B.S., Cook County Hospital.
Rushakoff, Oscar, B.S., Cook County Hospital.
Ryde, Robert Emerson, B.S., Ravenswood Hospital; Cook County Hospital.
Sandor, Andrew A., B.S., St. Elizabeth's Hospital, LaFayette, Indiana.
Sargent, William Farthing, B.S., University Hospital; Cook County Hospital.
Schaffer, Bernard J., B.S., Jackson Park Hospital.
Schwartz, Merle Harold, A.B., Garfield Park Hospital.
Schwartz, Walter William, B.S., Cook County Hospital.
Sheagren, John Wesley, B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Shulman, Myer, Jackson Park Hospital.
Simpson, Frederick Gleadall, B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Skolnik, Fannie Finkelstein, B.S., Cook County Hospital.
Smith, Lester Lawrence, A.B., United States Public Health Service, Marine Base Hospital, San Francisco, California.
Sneider, Milton Jerome, B.S., Mount Sinai Hospital, Milwaukee, Wisconsin.
Spencer, Robert Andrew, B.S., Cook County Hospital.
Spira, Samuel B., B.S., St. Catherine's Hospital, East Chicago, Indiana.
Stahl, Philip E., Jackson Park Hospital.
Steinbock, Henry Fred, B.S., Evangelical Hospital.
Steiner, William Edward, B.S., M.D., Illinois Research and Educational Hospital.
Steininger, Joseph Francis, B.S., St. Mary's Mercy Hospital, Gary, Indiana.
Stevens, Robert Healy, B.S., Ancker Hospital, St. Paul, Minnesota.
Stone, Mark Leo, B.S., St. Mary's Mercy Hospital, Gary, Indiana.
Stubenrauch, Charles Henry, Jr., B.S., M.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Swatek, Albert Frederick Roy, B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Sweitzer, Caesar, B.S., Grant Hospital.
Tauber, Sydney William, B.S., Edgewater Hospital; Cook County Hospital.
Tavris, Hyman, B.S., Edgewater Hospital.
Taylor, Jack, St. Louis City Hospital, St. Louis, Missouri.
Tepper, Sidney Merrill, B.S., Cook County Hospital.
Tesarik, Annette Viola, B.S., Los Angeles County General Hospital, Los Angeles, California.
Thompson, John Vernon, B.S., Ancker Hospital, St. Paul, Minnesota.
Wagner, Merrill Weinert, St. Anne's Hospital.
Wallace, John Keay, II, B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Walter, Jacob, B.S., St. Mary's Mercy Hospital, Gary, Indiana.
Waniata, George Norman, B.S., B.M., Los Angeles County General Hospital, Los Angeles, California.
Warshell, Arnold Harris, B.S., Bethesda Hospital, Cincinnati, Ohio.
Wasserman, David, B.S., B.M., New York City Hospital, New York, New York.
Weinberg, Benjamin Abra, B.S., Mount Sinai Hospital.
Weinstein, Roy Cyril, B.S., Lincoln General Hospital, Lincoln, Nebraska; Cook County Hospital.
Weintraub, Jerome, St. Margaret's Hospital, Hammond, Indiana.
Weissman, Charles Gilbert, B.S., St. Luke's Hospital, Milwaukee, Wisconsin.
Wienman, George Joseph, B.S., Cook County Hospital.
Williams, Fred Miller, B.S., Hurley Hospital, Flint, Michigan.
Williger, Irwin Fox, B.S., Knoxville General Hospital, Knoxville, Tennessee.
Wilson, Scottie Jackson, B.S., Ancker Hospital, St. Paul, Minnesota.
Winters, Kenneth John, A.B., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Yaffe, Bernard, B.S., Woodlawn Hospital.
Yemm, Warren Ashley, B.S., Cook County Hospital.

FOURTH-YEAR CLASS, 1938-1939

(With hospital appointments for 1939-1940)

Adland, Morris Aran, B.S., St. Francis Hospital, Peoria, Illinois.
Anderson, Donald William, B.S., West Suburban Hospital, Oak Park, Illinois.
Anderson, Stanley Edward, B.S., Garfield Park Community Hospital.
Arends, G. William, B.S., Grant Hospital.
Barkett, Soddie James, B.S., Charity Hospital of Louisiana, New Orleans, Louisiana.
Barringer, Floyd Samuel, B.S., Charles T. Miller Hospital, St. Paul, Minnesota.
Bartoli, Adolph, Jr., B.S., Illinois Research and Educational Hospital.
Becker, Leonard Albert, A.B., B.S., United States Naval Hospital.
Beebe, Robert Archie, B.S., Ravenswood Hospital.
Binder, Paul, B.S., Englewood Hospital, Cook County Hospital.
Bocian, Jack James, B.S., Jackson Park Hospital.
Boeke, Emmert George, B.S., Grant Hospital.
Borshevsky, George, B.S., Alexian Brothers' Hospital.
Brebis, George Joseph, B.S., Illinois Research and Educational Hospital.
Brown, Theodore Wallingford, B.S., De Paul Hospital, St. Louis, Missouri.
Brown, William John, B.S., Cook County Hospital.
Buchholz, Alexander Maurice, B.S., Cook County Hospital.
Buckley, Joseph Harry, B.S., St. Mary's Mercy Hospital, Gary, Indiana.
Campbell, Michael Joseph, B.S., Mercy Hospital.
Carstens, Herman Paul, B.S.
Chasten, Stephen Matthew, B.S., Monmouth Memorial Hospital, Long Branch, New Jersey.
Cooper, George Joseph, B.S., Cook County Hospital.
Corpe, Raymond Francis, B.S., Lutheran Hospital, Fort Wayne, Indiana; Illinois Research and Educational Hospital.
Crocker, Melvin Hugh, St. Joseph's Hospital, Baltimore, Maryland.
Cumming, Thomas Stewart, B.S., Ravenswood Hospital.
Curtis, David Thomas, B.S., St. Vincent's Hospital, Toledo, Ohio.
Danishek, Emil Stephan, B.S., United States Public Health Service Hospital, Seattle, Washington.
Derengoski, Cornell Leonard, B.S., Henrotin Hospital, Cook County Hospital.
Diamondstone, Albert Harold, B.S., Cook County Hospital.
Domm, Sheldon Edward, A.B., A.M., King's County Hospital, Brooklyn, New York.
Dorne, Ralph Marvin, B.S., Cook County Hospital.
Drell, Maurice Joseph, B.S., Cook County Hospital.
Dworin, Jack Walter, B.S., Cook County Hospital.
Ehrlich, Louis, Ph.C., B.S., Cook County Hospital.
Ehrlich, Norman James, B.S., St. Lawrence Hospital, Lansing, Michigan; Michael Reese Hospital.
Engle, Harold Martin, B.S., Michael Reese Hospital.
Engstrom, Robert Birger, A.B., St. Luke's Hospital.
Esposito, Peter Thomas, B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Fagman, Emanuel Bass, B.S., Mt. Sinai Hospital.
Farr, Edith Lettye, Bryan Memorial Hospital, Lincoln, Nebraska.
Fash, James Cone, B.S., Missouri Baptist Hospital, St. Louis, Missouri.
Foster, Lawrence Edmund, B.S., Swedish Hospital, Seattle, Washington.
Frantz, Kieffer Evans, B.S., St. Luke's Hospital.
Gardner, Leon Philip, B.S., St. Francis Hospital, Evanston, Illinois.
Gerber, Harold Xen, B.S., Cook County Hospital.
Geyer, Norman Byron, A.B., James M. Jackson Memorial Hospital, Miami, Florida.
Gordon, Hyman Harry, B.S., Cook County Hospital.
Gossom, Donn Roberts, B.S., Ravenswood Hospital.
Gregorio, John Theodore, St. Catherine's Hospital, East Chicago, Indiana.
Grimm, Harold Anthony, B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Grossman, Edward Stanley, B.S., Cook County Hospital.
Grossman, William Louis, Michael Reese Hospital.
Groth, Norton Robert, B.S., West Suburban Hospital, Oak Park, Illinois.
Hanks, Thrift Gene, B.S., M.S., Grant Hospital.
Hart, Florence Eunice, B.S., Evangelical Hospital.
Hartman, Melville Daniel, A.B., Jackson Park Hospital.
Heimstra, Fred Albert, B.S., California Hospital, Los Angeles, California.
Hellman, Jack M., Jackson Park Hospital.
Herbst, Robert Rudolph, St. Francis Hospital, Wichita, Kansas.
Hofstra, Raymond, A.B., West Suburban Hospital, Oak Park, Illinois.
Hone, Howard Russell, B.S., Queen's Hospital, Honolulu, Hawaii.
Hurter, Andrew Jerome, Illinois Research and Educational Hospital.
Iler, Rex Leroy, A.B., Cook County Hospital; Henrotin Hospital.
Ioriatti, John Baptist, B.S., Cook County Hospital.
Janus, Arthur Israel, B.S., St. Anthony de Padua Hospital.
Joffe, Harold Herman, B.S., Swedish Hospital, Minneapolis, Minnesota.
Juska, Aldona Ann, B.S., Blodgett Memorial Hospital, Grand Rapids, Michigan.
Kaplan, Benjamin Barnett, B.S., Mount Sinai Hospital, Milwaukee, Wisconsin.
Kelly, Delbert Cleo, St. Vincent's Hospital, Portland, Oregon.
Klamka, Herman George, Cook County Hospital.
Klein, Harold Todd, A.B., King's County Hospital, Brooklyn, New York.
Klein, Louis, B.S., Mount Sinai Hospital.
Klein, Sidney, Ph.G., B.S., West Suburban Hospital, Oak Park, Illinois.
Kligerman, Sidney, B.S., Alexian Brothers' Hospital.
Kolodny, Sydney Maurice, B.S., Cook County Hospital.
Kotin, Paul, B.S., Lutheran Deaconess Hospital.
Kudolla, Charles Rudolph, B.S., Mercy Hospital, Canton, Ohio.
Kunckel, Edward Wickliffe, B.S., University Hospital; Illinois Research and Educational Hospital.
Kuzma, Joseph Francis, B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Lane, Paul Lilja, D.D.S., B.S., Augustana Hospital.
Lang, Morris, B.S., Cook County Hospital.
Lerner, Isadore, B.S., Cook County Hospital.
Lerner, Philip, B.S., Jackson Park Hospital.
Levitin, Lawrence Arnold, B.S., Lutheran Deaconess Hospital.
Lippert, Robert, King's County Hospital, Brooklyn, New York.
Lombardo, Samuel Sebastian, B.S., St. Elizabeth's Hospital.
Lowy, Howard Arthur, Ph.C., B.S., St. Francis Hospital, Peoria, Illinois.
Lundgren, Edward Steven, Augustana Hospital.
Mann, Lawrence Stanley, B.S., Cook County Hospital.
Martin, John Stephen, Ph.G., B.S., San Diego County General Hospital, San Diego, California.
Mason, Coye Carlton, B.S., Illinois Research and Educational Hospital.
McKinney, Delbert Wesley, B.S., Louisiana Charity Hospital, New Orleans, Louisiana.
Millis, Jack William, B.S., Cook County Hospital.

Mirro, John Anthony, B.S., St. Mary's Mercy Hospital, Gary, Indiana.
Morton, Chauncey Lee, B.S., Provident Hospital.
Moseley, George Harley, III, A.B., United States Naval Hospital.
Newman, Carl Robert, B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Niederman, Dorothy Jean, B.S., Illinois Research and Educational Hospital.
Novack, Benjamin Francis, B.S., St. Catherine's Hospital, East Chicago, Indiana.
Oleck, Adrian Robert, Henry Ford Hospital, Detroit, Michigan.
Osher, Seymour Leon, Cook County Hospital.
Palermo, Amiel Lewis, Ph.C., B.S., Cook County Hospital.
Pierce, James Donald, B.S., St. Francis Hospital, Evanston, Illinois.
Plattner, Edward Bernard, B.S., Michael Reese Hospital.
Porte, David Morton, Cook County Hospital.
Prusinski, Jerome Casimir, Loretto Hospital; Cook County Hospital.
Rapoport, Anita Esterre, B.S., Mount Sinai Hospital.
Rapp, William Elon, B.S., Grant Hospital.
Raymon, Wilda Eloise, Women's and Children's Hospital.
Raymond, Frank Kondziorski, B.S., St. Francis Hospital, Evanston, Illinois.
Reingold, Irving Maynard, B.S.
Rest, David, B.M.E., Illinois Research and Educational Hospital.
Richards, Gordon Laraway, B.S., Grant Hospital.
Richmond, Julius Benjamin, B.S., Cook County Hospital.
Roane, Robert Dixon, B.S., Missouri Baptist Hospital, St. Louis, Missouri.
Rosanova, Albert R., B.S., St. Mary of Nazareth Hospital.
Roseman, Leo Leiff, B.S., St. Francis Hospital, Peoria, Illinois.
Russell, William Elles, B.S., Swedish Hospital, Seattle, Washington.
Salberg, Arthur Keller, St. Anne's Hospital.
Sazama, Francis Joseph, B.S., St. Francis Hospital, Evanston, Illinois.
Schick, William Rhinehart, Evangelical Hospital.
Schiff, Isadore Joseph, Cedars of Lebanon Hospital, Los Angeles, California.
Schosser, Milo Hill, B.S., St. Luke's Hospital.
Schreiber, Adrian Leonard, B.S., Garfield Park Community Hospital.
Schreiber, Manuel, B.S., St. Luke's Hospital, Spokane, Washington.
Schumacher, Edward Emil, B.S., Cleveland City Hospital, Cleveland, Ohio.
Schwartz, Louis, B.S., St. Anthony de Padua Hospital.
Segal, Morey Max, Jackson Park Hospital.
Shaffer, William Thurman, Jr., B.S., Milwaukee County General Hospital, Wauwatosa, Wisconsin.
Shapiro, Maynard Irwin, B.S., Mount Sinai Hospital.
Shiels, Thomas Victor, Swedish Covenant Hospital.
Shirer, Benjamin Franklin, Jr., B.S., Cook County Hospital.
Simon, Albert Joseph, B.S., Michael Reese Hospital.
Simonson, Melvin, B.S., Cook County Hospital.
Snively, Robert Rice, B.S., Illinois Research and Educational Hospital.
Spierer, Eugene, B.S., Edgewater Hospital.
Sprecher, Herman C., B.S., Swedish Covenant Hospital.
Strassman, Bernard, B.S., Cook County Hospital.
Sumner, Albert, B.S., Jackson Park Hospital.
Swensson, Evert Anders, B.S., United States Public Health Service Hospital.
Swisher, William Porter, B.S., Illinois Research and Educational Hospital.
Tarre, Harold Israel.
Tepper, Leo, B.S., Los Angeles County Hospital, Los Angeles, California.
Turner, Ralph Strong, B.S., Ancker Hospital, St. Paul, Minnesota.
Twente, George Edward, B.S., St. Louis City Hospital, St. Louis, Missouri.
Ury, Boris Sergei, B.S., Illinois Research and Educational Hospital.
Van Atta, Roger Alan, B.S., Grant Hospital.
Varraveto, Anita, B.S., Nix Hospital, San Antonio, Texas.
Walter, LeRoy Eugene, B.S., St. Luke's Hospital.
Webb, Edward Francis, St. Luke's Hospital.
Weir, Homer Fauquier, A.B., Minneapolis General Hospital, Minneapolis, Minnesota.
Weisbach, Philip Thomas, Jr., B.S., Cook County Hospital.
Weiskopf, Henry Sol, B.S., St. Francis Hospital, Peoria, Illinois.
Weiss, Alvin, B.S., Cook County Hospital.
Weissman, Irving, B.S., Cook County Hospital.
Westmark, Carl Elmer, B.S., St. Luke's Hospital.
Witthoff, Evelyn Martha, B.S., Swedish Covenant Hospital.
Wolf, Glenn Clarence, A.B., Santa Barbara Cottage Hospital, Santa Barbara, California.
Zeman, Laddie Walter, B.S., Lutheran Hospital, Fort Wayne, Indiana.
Zimring, William Joseph, B.S., Mount Sinai Hospital.
Zitman, Irving Herman, B.S., Michael Reese Hospital.

Third-Year Class, 1938-1939

Abrams, Herbert Kerman, B.S.
Adams, Vail Burdette
Ajalat, Mitry Peter, B.S.
Andrews, William Charles
Appel, William
Archer, Lendall Dee, B.S.
Axelrod, Louis
Bagge, Marguerite Elizabeth
Ballard, George Pratt, B.S.
Bell, Julius Nathaniel, B.S.
Bennett, David, B.S.
Bernet, Henry Scholten, B.S.
Black, Arnold, B.S.
Blackburn, William Howard, Jr.
Bleier, Robert Seeley, B.S.
Blustein, Herman
Brophy, Edward John, B.S.
Brown, Arthur William, B.S.
Burke, John Vincent
Cavins, Elmer Wallace, B.S.
Chelnek, Irving
Chione, Alfred George
Chobot, George Robert, B.S.
Cochrane, William Lasselle, B.S.
Cohen, Harold, B.S.
Cohlan, Wilbur Randolph, B.S.
Cohn, Arnold Louis, B.S.
Cutler, Max Helix, B.S.
Cutts, Robert Irving, B.S.
Denholm, Agnes, B.S.
Dickson, Frank H., Jr.
Eckberg, Marvin Edward, B.Ed., B.S.
Erwin, John Robert
Ettinger, Ralph Davis, A.B.
Evans, Harvey Aretas
Farnsworth, Samuel Arlington, B.S.
Favus, Leonard Harold, B.S.
Feinberg, Kenneth Hirsch
Feinberg, Milton, B.S.
Gaines, Nemo Dexter, B.Ed., B.S.
Gaines, Walter, B.S.
Gecht, Adele, B.M.E.

Goodman, Daniel Herschold, A.B., M.S., B.S.
Goodman, Lawrence Ogden, B.S.
Goodson, Samuel Bernard, B.S.
Gorecki, Ferdinand, B.S.
Gossard, Foster Ellsworth, B.S.
Griep, Ernst August, B.S.
Grippe, William Joseph
Gurskis, Eugenia Eleanor, B.S.
Hailman, Harold Frank, B.S.
Heimovitz, Jack S., B.S.
Henry, Frank Coleman, A.B.
Hoffman, Charles Wilson, A.B.
Hoss, Glenn Arthur, Jr., A.B., B.S.
Howe, Gertrude Elizabeth, B.S.
Hrejsa, Francis Joseph, B.S.
Hughes, Edgar O., B.S.
Icenogle, Grover Donald, B.S.
Iliff, Grace Celia, A.B.
Jackson, Mildred Ranney, B.S.
Janis, Joseph Charles, A.B.
Jaruszewski, Edward John, B.S.
Johnson, Grant Trempe, B.S.
Jones, Robert Richard
Jourdan, Harve William, Jr., B.S.
Kagen, Marvin Stanley, B.S.
Kanter, Lester, B.S.
Keys, John Allen
Kiersch, Theodore, B.S.
Koenig, John William, B.S.
Koepke, Earl Hilmer, B.S.
Kolb, Harold Joseph
Kortemeier, Elwood Franklin, B.S.
Kruger, Sam, B.S.
La Fata, Francis Paul, B.S.
Lane, Shirley William, B.S.
Leavitt, Arnold Harold, A.B., B.S.
Lemberg, Louis, B.S.
Lhotka, Frank Michael, B.S.
Lindsay, Arthur Manning, B.S.
Litow, Sidney Samuel, B.S.
Lobraico, Rocco Vincent, Jr., B.S.
Loeffler, Robert William, B.S.
Lowrey, Robert Davison
Magree, Montie, B.S.
Malsbury, Charles Wendell, A.B., B.S.
Marino, Charles Joseph, B.S.
Marks, Sidney, B.S.
Marshall, James William, B.S.
Massie, Lowell E., A.B.
Matzner, Irving Allen, B.S.
Mau, Walter, B.S.
McDonald, Audrey Jane, B.S.
McKeever, Lewis Goodell, A.B.
McNeely, George Bradley, Jr., B.S.
Meagher, George Beyer, B.S.
Mosiman, William Dillon
Moskovitz, Jack Arthur
Mosny, Stephen Daniel, Jr., B.S.
Norcross, Pliny
Oberhill, Harold Robert, B.S.
O'Donnell, Robert Porter, B.S.
O'Kane, Thomas Walker, B.S.
Pastron, Seymour Sidney, B.S.
Perlmutter, Harold Morris, B.S.
Perrella, Edward Joseph
Petty, Richard Albert, A.B.
Pierce, Virginia Kipke, B.S.
Policandriotes, Theodore Zane, B.S.
Pollack, Seymour Lester, B.S.
Post, George Washington, IV
Pyterek, Arthur Bernard, B.S.
Rattner, Bernard, B.S.
Reidell, Eleanore Aleen, B.S.
Robbins, Joseph Maurice, B.S.
Rosack, Henry
Rosen, Bernice Shirley, B.S.
Scott, Wendell Paul, B.S.
Seely, Harmon De Forrest, B.S.
Shapiro, Arthur Joseph, B.S.
Sheets, Raymond F., A.B.
Shulruff, Joseph T., B.S.
Siegel, Morris, B.S.
Simons, Morton, B.S.
Sloan, Herbert Pearl
Snider, Gordon Gaskill, B.S.
Solomon, James
Spomer, John Paul, B.S.
Stahl, Charles Frederick, B.S.
Stephen, Robert Joseph, B.S.
Stevens, Theodore Robert, B.S.
Swan, Lawrence Leroy, B.S.
Taylor, Justus Earl, Jr., B.S.
Telford, Joseph Woodrow, B.S.
Thompson, Ernest Look, B.S.
Tinker, Robert Harold, B.S.
Torczynski, Gertrude Rita, B.S.
Visscher, Lois Helena, B.S.
Waters, Harvey Charles, B.S.
Webber, Max Edwin, B.S.
Weiner, Sanford Fred
Weinglass, Albert Robert, B.S.
Weisberg, William Wiener, A.B.
Weiss, Eugene, B.S.
Weiss, Manuel Bertrand, B.S.
White, Harvey, B.S.
Whitehead, Ira Condict, A.B.
Winer, Jane Ruth, B.S.
Wloczewski, Joseph Albert, Jr., B.S.
Wright, Gilbert Lawrence, B.S.
Wuestenfeld, Herman Eudell
Yanowitz, Meyer, B.S.
Yesinick, Louis, B.S.
Zelenik, John Slowko, A.B.
Zeman, Theodore Clarence, Ph.C., B.S.
Zimmerman, Nathan, B.S.
Zweig, Mitchell, B.S.

Second-Year Class, 1938-1939

Abrams, Raymond Henry
Adams, Pliny Arnold, B.S.
Albrecht, Armand Dorrance
Arbeiter, Herbert Isadore
Arenstein, Marvin
Axelrod, David
Barrett, Howard Thomas
Beiser, Helen Ruth, B.S.
Benell, Theodore
Bodnar, Leslie Mathew
Boon, Loren McClellan
Brazda, Ctimir Silas, D.D.S.
Brinton, Edward Smith
Briskin, Harold Louis
Brubaker, Donald Larue
Burhans, Merton Ervin
Burton, Thomas Philip
Butler, William Joseph
Carlson, Elbert Elwood, B.S.
Clark, John Sheldon, Jr.
Cohan, Albert
Crafft, William McGarvey, A.B.
Cunningham, James Thomas
De Long, Oscar Leland
De Renne, Lawrence
Diamond, Alfred Aron
Donelan, Earl William
Donosky, James Theodore
Drucker, Arnold Plaine
Ersfeld, John Gates
Fishkin, Martin
Flanagan, James Brierton
Fogelhut, Sam
Fraerman, Samuel Henry
Freier, Morton Laurance
Fruehauf, Richard Paul
Gerber, Alex
Ginsberg, Robert
Gittelson, Lloyd Arion
Giunta, Edward James
Goforth, Eugene George
Goldberg, Milton L.
Gomberg, Bernard
Gondek, Frank Richard

Gordon, John Robert
Greeley, Harry Yerkes
Grissom, Robert Leslie
Grosskreutz, Doris Clare
Haas, Joseph Stahl, A.B.
Hamilton, Samuel Logan, Jr., B.S.
Hammond, Rex Decker
Hangos, George William
Hill, Lowell Irvin
Holder, Norton Wieder, A.B., M.S.
Hollender, Marc Hale
Hong, Roy, B.S.
House, Robert Martin
Hrejsa, Allen Charles
Hurie, Robert Erle, B.S.
Joseph, Samuel Richard
Jost, Russel William
Journay, John Louis
Kaderman, Selma
Kahn, Sidney Charles
Kaplan, Sidney Joseph
Katz, Seymour Robert
Kiely, William Francis
Klein, Jack, B.S.
Klein, Seymour
Klinghoffer, Max, A.B.
Korngold, Herbert Wolfgang
Krause, Leonard Schomer, B.S.
Lane, Charles Tash, B.S.
Lawson, Robert Clyde, A.B.
Levey, Calvin Irwin
Levinson, Henry Michael
Levy, Russell Harold, B.S.
Lippold, Roland Will
Lopresti, Philip Joseph
Lyon, Samuel Sidney
Madejczyk, Edward Valentine
Magit, Jack
Marshall, William Pryor, A.B.
McDonald, Beryl Meta, B.S.
Merrell, Hosmer Tryon, A.B.
Milroy, Robert Arthur
Moberley, Paul Benton
Morris, Ivor Hugh, Jr.
Mortenson, Leland James
Mulvill, James Edward, B.S.
Nelson, George William
Norval, Mildred Ardell, B.S., M.S.
Obenland, Alfred Grant[1]
Oden, Joshua, Jr.
Ohrenstein, Irving Robert
Orrico, Joseph Frank
Padorr, Marvin Pershing
Parcher, Russell Wilber
Pasquesi, Theodore James
Patterson, Paul Raleigh
Peckler, David Alfred, B.S.
Perkins, Roy Frank
Piotrowski, Walter John
Pizer, Esther Ruth
Reeder, Clifton Lee
Reiter, Joseph
Roark, Samuel Paul, B.S.
Rodriquez, Arthur Attilio
Rodriquez, Jack
Rose, Sylvia Axelrood, B.S.
Rosenthal, Carl
Ross, Jasper Newton
Roth, Robert Russell, B.S.
Row, Harry Ralph
Rubenstein, Laurence Hyman
Rudy, Lester Howard
Sacks, Harold J.
Sarkisian, Sarkis Stephan
Schertz, Truman Benjamin
Schwartz, Edward Jacob
Scott, Stephen Caswell
Sears, Adrian Russell Magill
Seltzer, Alvin
Shafer, Sidney John
Sharpe, George, A.B.
Sheade, Albert
Silbert, Aviva
Skolnik, Emanuel M.
Solomon, Jerome Daniel, B.S.
Spezia, Joseph Louis
Stancik, Georgia Agnes
Stein, Benjamin Frederick, A.B.
Steinberg, Richard Mitten
Steinman, William
Stokes, Robert Fred
Stone, Herman Hull
Strick, Marvin Harold
Taylor, Lawrence Kimbrough
Tebow, Louis Elliott
Trafton, Harold Forrest
Vaichulis, John Anthony, B.S., M.S.
Waller, George Hugh, Jr.
Waxler, Shirley Sarah
Weinberg, Julius Jakle
Weiss, Leon Herbert
Weissbuch, Mitchel Richard
Williams, Philip Copelain, B.S.
Wolf, Earl George, A.B.
Wunsch, Lloyd Arnold, A.B.
Zeman, Alvin Allen

First-Year Class, 1938-1939

Agamy, Glen Nordwin, B.S.
Allegretti, Michael
Allen, Melvin Aaron
Allman, Joseph Francis, Jr.
Andelman, Samuel Louis, B.S.
Baker, Albert Sherwood
Barron, Charles Irwin
Bartelsmeyer, Erwin Carl
Bauer, Eugene Leo, B.S.
Baysinger, Verlin Guy, A.B.
Bechtol, Robert Carroll
Belgrade, Irving Stephen
Bianco, Emily Marie
Bielek, Miles James
Black, Sidney
Bobrow, Leon Boris
Boehm, William Fredrick, Jr.
Bowers, Le Roy John, Ph.C.
Breme, Mary Gottlieb
Brennan, Robert Joseph
Browne, Robert Thomas, B.S.
Buehrig, Milton Walter, B.S.
Burns, Francis Joseph
Busch, Robert Cyril
Callagan, Dwight Allen
Carrington, Howard
Carris, James Vernon
Chambers, William Floyd
Clapp, John Arthur, B.S.
Clark, Daniel Monroe, B.S.
Clowers, Walter Creel
Cohan, Harold Samuel
Cohen, Eli Bertram, B.S.
Cohen, Isadore
Cohen, Seymour Robert, B.S.
Cohn, Robert Daniel
Crost, Edwin Augustus
Danreiter, Le Roy
Davis, Thornton Alexander
De Bord, Robert Allen
Del Beccaro, Edward John
De Rosa, Frank Paul
Dolgoff, Sidney
Dorsey, James Francis
Dunham, Ruth Ellen
Dunn, Jack
Ekstrand, Leroy Magnus, A.B.
Erhardt, Karl Shelton

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[1] Deceased, December 18, 1938.

Evans, Morton Irving
Farney, William Emmett
Frankel, Donald Benjamin
Freeman, Ann Elizabeth, B.M.E., A.M.
Friedman, Seymour Warren, A.B.
Fritz, Pauline Darby, B.S., M.S.
Geever, Ernest Dan
Gelman, Webster Bertram
Ginther, Clarke Edward
Golinkin, George Bernard, Jr.
Gordon, Robert Graham, B.S.
Graupner, Gustav William
Greenberg, Ralph Jerome, B.S.
Greenfield, Leonard Charles
Haedike, William David
Handelman, Eugene Victor
Hardinger, John Daniel
Hart, Marshall Vaughn, B.S.
Hastings, James Walter
Havlik, Edward Joseph, B.S.
Henegar, George
Herron, Blanche Althea, B.S.
Herzon, Emanuel
Hetman, Mitchell Joseph
Howard, Frances Nan, Ph.B.
Hunte, Frank Elmer
Jacobson, Hyman Mayer, B.S.
Jemsek, John
Johnson, Frank Kenneth, A.B.
Kalicovsky, Harry
Kaplan, Robert
Karpf, Carl Henry
Karraker, Richard William
Katz, Henrietta
Kaufman, James Albert
King, Don Robert
Klein, Samuel
Klontz, Charles E., Jr., B.S.
Koesterer, Philip Joseph, Jr.
Kohn, Herbert Jay
Kuehnert, Robert Gerhardt
Kuznetsky, Charles Allen
La Forge, William Carlton
Lavin, John Michael
Lehman, Donald Samuel, B.S.
Leibovitz, Martin
Long, Allen Herbert, A.B.
Lykkebak, Robert Peter
Lynch, John Daniel, III
Marienfeld, Carl Joseph, A.B.
Marks, Arthur Robert
Marks, John Edward
Maynard, Russell Milton, B.S.
McDonald, James Hogue, A.B.
McMurry, Barbara Anne
Meyer, Isidore Sonny
Modica, Charles Samuel
Modjeski, Joseph Richard
Moore, Herbert Royal
Morrow, William E., B.Ed.
Moss, Kenneth Jay
Munson, Gordon Berkeley

Narodick, Benjamin George
Nesbitt, Lendor
Nianick, Leonard M.
O'Donnell, Joseph Robert
Olander, George Arthur, Jr., B.S.
Padalik, Adolph Joseph, B.S.
Pessis, Benjamin Hymen
Pevsner, Sam
Phillips, Fred Leslie
Phipps, Elwood Brinton
Polan, Robert Joseph
Powell, Paul Wayne, B.S.
Rachlin, Sol
Ranke, Eugene John
Reingold, Herbert Jerome
Rinard, Lila Appleton
Roane, John Steele
Robinson, Walter Kenneth, B.S., M.S.
Rogers, Joseph Gilbert
Rottapel, David Jack
Rutgard, Meyer David
Sansone, Vincent Caesar
Sapienza, Anthony Rosario
Schiller, Alfred Albert, B.S.
Schroeder, Walter Alexander, B.S.
Shapiro, Joseph
Shechter, Nathan
Silbert, Irving Morris
Smejkal, Walter Frank
Snowden, Paul Walters
Sokoloff, Mitchell
Sokolov, Isadore
Starkman, Nathan M.
Steckenrider, Robert Carl
Steward, Lee Aaron, B.Ed.
Stone, Leonard, B.S.
Strayer, Elaine, B.S.
Sunderland, Paul Wesley
Teplitz, Zelda, B.S.
Thometz, Robert William
Thompson, William Sydney
Van Herik, Martin, B.S., M.S.
Veatch, Charles Alvin
Waddington, Harry Kenneth
Wagner, Albert George, A.B.
Wallin, Bruce Joseph, B.S.
Watenmaker, William Meyer
Waterman, Grace Dorothy
Weidemann, John Albert
Weissman, Irving
Whitlock, Richard Foster
Wiebmer, Donald Johnston
Wilensky, Sam Donald
Williams, Jack
Williamson, Gaylon Calvin
Young, Charles William
Young, Thomas Roger, Jr.
Zackler, Jack
Zielinski, Victor John
Zivin, Israel Rael
Zivin, Simon
Zuska, Albert John

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

GRADUATE COURSES IN MEDICINE AND DENTISTRY

DEPARTMENTS

Anatomy; Dental Histology; Dental Therapeutics; Dermatology; Juvenile Behavior; Laryngology, Rhinology, and Otology; Medicine; Neurology and Neurological Surgery; Obstetrics and Gynecology; Ophthalmology; Oral Surgery; Orthodontia; Orthopaedics; Pathology and Bacteriology; Pediatrics; Pharmacology; Physiological Chemistry and Metallurgy; Physiology; Psychiatry; Surgery.

Announcement of
Summer Session of 1939, June 12 to September 9,
and Session of 1939-1940

GRADUATE SCHOOL CALENDAR
(CHICAGO)

Summer Session

1939

June 12-13, Monday-Tuesday	Registration days.
June 14, Wednesday	Summer courses begin.
Sept. 9, Saturday	Summer courses end.

First Semester

Sept. 9, Saturday	Last day for candidates for doctors' degrees in October to deposit theses.
Sept. 11, Monday	Last day for candidates for masters' degrees in October to file applications for degrees and to deposit theses.
Sept. 27-28, Wednesday-Thursday	Registration days.
Nov. 30, Thursday	Thanksgiving Day.
Dec. 16, Saturday, 6 P.M.	Holiday recess begins.

1940

Jan. 2, Tuesday, 8 A.M.	Holiday recess ends.
Jan. 8, Monday	Last day for filing applications for masters' degrees to be conferred in February.
Jan. 8, Monday	Last day for candidates for doctors' degrees in February to deposit theses.
Jan. 15, Monday	Last day for candidates for masters' degrees in February to deposit theses.

Second Semester

Feb. 7-8, Wednesday-Thursday	Registration days.
Mar. 21, Thursday	Last day for filing applications for masters' degrees to be conferred in June.
Mar. 21, Thursday, 6 P.M.	Easter recess begins.
Mar. 25, Monday, 8 A.M.	Easter recess ends.
May 6, Monday	Last day for candidates for doctors' degrees in June to deposit theses.
May 13, Monday	Last day for candidates for masters' degrees in June to deposit theses.
May 30, Thursday	Memorial Day.
June 7, Friday	Annual Commencement.

EXECUTIVE FACULTY OF THE GRADUATE SCHOOL[1]

1938-1939

Arthur Cutts Willard, B.S., D.Eng., LL.D., *President of the University*

Robert Daniel Carmichael, Ph.D., *Professor of Mathematics and Dean of the Graduate School*
Clarence Arthur Berdahl, Ph.D., *Professor of Political Science*
David John Davis, M.D.; Ph.D., *Professor of Pathology and Dean of the College of Medicine*
Reynold Clayton Fuson, Ph.D., *Professor of Organic Chemistry*
Harry Stuart Vedder Jones, Ph.D., *Professor of English*
Harold Hanson Mitchell, Ph.D., *Professor of Animal Nutrition*
Herbert Fisher Moore, M.E., M.M.E., D.Sc., *Research Professor of Engineering Materials*
Glenn Raymond Morrow, Ph.D., *Professor of Philosophy*
William Abbott Oldfather, Ph.D., LL.D., *Professor of the Classics*
William Spence Robertson, Ph.D., *Professor of History*
Worth Huff Rodebush, Ph.D., *Professor of Physical Chemistry*
Henry Perly Rusk, M.S., *Professor of Cattle Husbandry*
Hiram Thompson Scovill, A.B., C.P.A., *Professor of Accountancy*
Harley Jones Van Cleave, Ph.D., *Professor of Zoology*
Wilbur M. Wilson, M.M.E., C.E., *Research Professor of Structural Engineering*

STANDING COMMITTEE ON GRADUATE WORK IN MEDICINE AND DENTISTRY

David John Davis, M.D., Ph.D., *Chairman*
Frederick Bogue Noyes, A.B., D.D.S., D.Sc.
Hugh Alister McGuigan, Ph.D., M.D.
William Henry Welker, A.C., Ph.D., *Secretary*
Robert Wood Keeton, M.S., M.D.
Warren Henry Cole, B.S., M.D.
Otto Frederic Kampmeier, Ph.D., M.D.

THE TEACHING FACULTY IN MEDICINE AND DENTISTRY[2]

1938-1939

David John Davis, M.D., Ph.D., *Dean of the College of Medicine, Professor of Pathology, Head of the Department of Pathology, Bacteriology, and Public Health*
William Henry Welker, A.C., Ph.D., *Professor of Physiological Chemistry and Head of the Department*
Hugh Alister McGuigan, Ph.D., M.D., *Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of the Department*
Otto Frederic Kampmeier, Ph.D., M.D., *Professor of Anatomy and Head of the Department*
Frederick Brown Moorehead, D.D.S., M.D., M.S., *Professor of Oral Surgery and Head of the Department of Oral and Plastic Surgery and Oral Pathology*
William F. Petersen, B.S., M.D., *Professor of Pathology*
Frederick Bogue Noyes, A.B., D.D.S., D.Sc., LL.D., *Dean of the College of Dentistry, Professor of Orthodontia, and Director of the Children's Clinic*

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[1] The administration of the Graduate School is conducted by the Executive Faculty, consisting of the Dean of the Graduate School, three members elected by the Teaching Faculty, and ten additional members appointed by the President of the University after consultation with the Dean and the elected members.

[2] The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

Olaf Bergeim, Ph.D., *Associate Professor of Physiological Chemistry*
Albert Bachem, Ph.D., *Professor of Biophysics*
Frederick Howard Falls, M.S., M.D., *Professor of Obstetrics and Gynecology, and Head of the Department*
Julius Hayes Hess, M.D., *Professor of Pediatrics and Head of the Department*
Francis Eugene Senear, B.S., M.D., *Professor of Dermatology and Head of the Department*
Lloyd Arnold, A.M., M.D., *Professor of Bacteriology and Public Health*
Walter John Richard Camp, M.D., Ph.D., *Professor of Pharmacology, Materia Medica, and Therapeutics*
Paul Louis Schroeder, B.S., M.D., *Professor of Criminology, Social Hygiene, and Medical Jurisprudence, Head of the Department, and Director of the Institute for Juvenile Research*
Harold Douglas Singer, M.D., *Professor of Psychiatry, Head of the Department, and Director of the Psychiatric Institute*
Henry Bascom Thomas, B.S., M.D., *Professor of Orthopaedics, Head of the Department, and Director of the Illinois Surgical Institute for Children*
George Boris Hassin, M.D., *Professor of Neurology*
Andrew Wilson Brown, Ph.D., *Associate Professor of Criminology, Social Hygiene, and Medical Jurisprudence*
Isaac Schour, D.D.S., Ph.D., *Professor of Histology and Head of the Department*
Robert Wood Keeton, M.S., M.D., *Professor of Medicine and Head of the Department*
Ernst Gellhorn, M.D., Ph.D., *Professor of Physiology and Physiologist in the Department of Psychiatry*
Isadore Pilot, B.S., M.D., *Associate Professor of Pathology and of Medicine*
Henry George Poncher, B.S., M.D., *Associate Professor of Pediatrics*
Mrs. Carroll LaFleur Birch, M.S., M.D., *Assistant Professor of Medicine*
Arthur Gideon Cole, Ph.D., *Assistant Professor of Physiological Chemistry*
Eric Oldberg, M.D., Ph.D., *Professor of Neurology and Neurological Surgery, and Head of the Department*
Gerhardt von Bonin, M.D., *Associate Professor of Anatomy*
Charles Bernard Puestow, M.D., Ph.D., *Associate Professor of Surgery*
Carlos Isaac Reed, Ph.D., *Associate Professor of Physiology*
Allan Gibson Brodie, D.D.S., M.S., *Professor of Orthodontia and Head of the Department*
Russell Dorr Herrold, B.S., M.D., *Associate Professor of Surgery*
Géza de Takats, M.D., M.Surg., *Associate Professor of Surgery*
Warren Henry Cole, B.S., M.D., *Professor of Surgery and Head of the Department*
Robert George Kesel, D.D.S., M.S., *Assistant Professor of Dental Pathology and Therapeutics, and Acting Head of the Department*
Francis Loeffler Lederer, B.S., M.D., *Professor of Laryngology, Rhinology, and Otology, and Head of the Department*
Richard Lockwood Webb, Ph.D., *Assistant Professor of Anatomy*
George E. Wakerlin, Ph.D., M.D., *Professor of Physiology and Head of the Department*
Robert Lelon Ladd, M.S., M.D., *Assistant Professor of Pathology*
Maynard Kiplinger Hine, D.D.S., M.S., *Associate in Dental Pathology and Therapeutics*

GRADUATE WORK IN MEDICINE AND DENTISTRY

Admission

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty. Applicants must have secured a scholastic average of at least 3.5, or its equivalent on the University of Illinois scale, in their undergraduate work in order to qualify for admission. Applicants who do not have the 3.5 average in all courses, but who have maintained such an average in the field chosen for graduate work, may be admitted on written recommendation of the head of the department concerned, with the approval of the Committee on Graduate Work in Medicine and Dentistry. In all such cases admission will be to special graduate status. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the Department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Examiner and Recorder for the Chicago Departments, 1853 West Polk Street, Chicago, Illinois. Every applicant must submit with his application for admission an official transcript of his college record.

Registration and Program of Study

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Medical Students and Graduate Study.—If at the beginning of the second semester of his second year a student in the College of Medicine, who has been in residence at least one year, and who has completed all of the required courses of the first three semesters and has maintained an average in all work in Medicine of at least 85%, may be permitted to register for one unit which may count for residence for a master's degree. Only students of excellent record will be allowed this privilege.

Members of the third-year and fourth-year classes in the College of Medicine, who have strong scholastic records, and who have the bachelor's degree, may register for one unit of graduate work per semester, substituting it for one medical course and the electives in the junior year and for the electives in the senior year. From 20 to 25 per cent of the medical students take advantage of this opportunity to become familiar with the methods of research and advanced study.

Failures.—A graduate student who fails in any course in his major subject can not secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Dean, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigations in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Recorder's Office. If he wishes to withdraw from the University he must get clearance papers at the Recorder's Office.

Master's Degrees

Character of Master's Degree.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. Four to five units constitute a normal semester program for the master's degree. A minimum of eight units must be completed for the degree. Only first-rate students are permitted to secure a degree with this minimum program. In some departments special examinations are required of candidates for master's degrees. In all cases the student must satisfy the duly approved conditions set by his major and minor departments.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

Undergraduate courses in Medicine in any department are not accepted as applying toward a graduate degree if the major is in that department.

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. He may not attend more than twelve a week without special permission.

Grades.—Students' work is graded in five classes, A, B, C, D, and E. The last indicates a failure. "D" indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below "B" during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below "B" disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or a minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is desirable for all candidates for the master's degree, and in some lines of study is required. No student will be permitted to acquire residence toward the second year for the doctorate until he has passed the preliminary examination in at least one of these languages.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only, must be secured and the subject of the thesis filed at the office of the Graduate School not later than the beginning of the second half-year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Dean of the Graduate School, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required for a master's degree ordinarily will demand from one to two units of work, and may not exceed three units except by special permission. The thesis must be typewritten, on "thesis paper,"[1] and the title-page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis. Permission for the publication of the material of a master's thesis should be obtained from the Dean of the Graduate School before such publication is carried out.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of $20.00.

A student who has completed all of the residence and course requirements for the master's degree but who is still working on his thesis is required to register for an additional "Thesis" unit of work during the semester or session in which he expects to present himself for the degree. The incidental fee for such registration is $10.00.

Applications for Degrees.—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Secretary's office. For the dates of application and deposition of theses, consult the calendar on page 72.

The Degree of Doctor of Philosophy

Major and Minor Subjects.—A member of the Graduate School who desires to become a candidate for the degree of Doctor of Philosophy is required to pursue a major subject in the department in which his research lies. He is also required to choose one minor subject, or he may choose two. If one minor only is chosen it must be taken in a department of study other than that of the major, and credit for it may be earned by work representing not less than four units, or one-sixth of the total residence required for the doctorate. If two minors are chosen, one must be a subject closely related to the major. With the approval of the adviser it may be a division of the major field of study. The other minor (not less than two units) must, in that case, be taken in a department of study other than that of the major.

Except by special permission of the Dean the preliminary examination in major and minor subjects may not be taken until the minor work has been done.

Method of Computing Residence.—Credit for a full year of graduate work means that the student has during that time devoted all his working time and energy to study of a graduate grade. After the first year of residence credit is not recorded in units, and there is no fixed correspondence between credit and course as in undergraduate work.

Period of Study.—The normal minimum period of study required for the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence, during a certain period, but for scholarly attainments and power of investigation, as proved by theses and examinations.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 338, Research Laboratory and Library Building.

Work Done in Other Universities.—Credit for graduate work done in other universities is not "transferred." However, it may be accepted on examination as equivalent to resident work at the University of Illinois, provided the institution in which it was done is of high standing.

Examinations in Languages.—The student will be required to demonstrate his ability to read French and German and other languages needed in his work. (In special cases the Executive Faculty, upon recommendation of the student's adviser, may substitute for either one of the languages usually required some other language which can be shown to be more useful in that student's professional research.) No student will be permitted to acquire residence towards the second year of graduate study until he has passed the examination in at least one of these languages. Both the examination in French and that in German must be passed before the student is admitted to the preliminary examination in his major and minor subjects.

Examinations in Major and Minors.—Towards the end of his second year of study, or by special permission, at the beginning of his third year (not later than October 15), a student who wishes to become a candidate for the degree must submit to a preliminary examination. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years of graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses, specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time though it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

A typewritten copy of the complete thesis, *on thesis paper,* and in final form must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination, and not less than four weeks before the time when the degree is conferred. At the same time, the candidate must deposit with the Dean a manuscript of the essential part, or an abstract, or a digest of his thesis, in condition for publication at a cost not to exceed seventy-five dollars ($75). The manuscript must be sufficient to show the method followed, the evidence used and the conclusions reached in the investigation, and must bear the approval of the department and the Executive Faculty of the Graduate School.

The candidate must pay to the Comptroller before graduation the sum of seventy-five dollars ($75) out of which the University will print at least one hundred copies of this manuscript for circulation by the University, unless the thesis entire or in abbreviated form is published by the author or is accepted for publication by a standard journal or publisher within a year from the date of graduation. In the latter event, and after one hundred copies have been presented to the University by the writer, the cash deposit shall be returned to him.

The typewritten and printed forms of the thesis must comply with the regulations given in "instructions for the preparation of master's and doctor's theses," copies of which may be obtained at the Secretary's office.

The degree of Doctor of Philosophy is conferred only in June, October, and February.

Fees

Except as noted below, graduate students in medicine and dentistry pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer session)	25.00
Students not residents of Illinois pay an incidental fee of	37.50
Incidental fee (semester)	35.00
Students not residents of Illinois pay each semester an incidental fee of	62.50
Late registration fee.—Students who enter the Graduate School after registration day are charged a late registration fee of	5.00
Graduation fee	10.00
For change in study-list	1.00

Partial Schedule.—Students registering for not more than two units pay fees at the rate of $10.00 per unit, in lieu of the regular incidental fee.

Laboratory fees are assessed to cover the cost of materials used.

For the graduate course in orthodontia in preparation for the practice of orthodontia as a specialty, the yearly tuition fee is $600, one-third payable at the beginning of the second semester in February, at which time the course opens, one-third in June at the beginning of summer school, one-third in October at the beginning of the first semester. No extra fee will be assessed candidates for the master's degree for an extra half-semester in Orthodontia 101.

Persons on University appointment at a salary of $1,600 or less, eligible for admission to University work, or on scholarship or fellowship appointment in the Graduate School, are exempt from the payment of incidental and laboratory fees in courses counting for graduate credit.

For information concerning the privileges of deferring fees, see page 31 of this circular.

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the graduation fee on being recommended for their degrees.

Library

Adequate library facilities are essential to the prosecution of graduate work and research. In the library may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

Fellowships

Four research fellowships are awarded annually for one year in the fields of medicine and dentistry in Chicago at a stipend of $1,200 per year (calendar year with one month's vacation). Fellows are eligible for re-appointment in competition with the new applicants.

Candidates for these fellowships must have completed a training of not less than eight years beyond high school graduation. This training may have been acquired in any one of the following ways, or the equivalent thereof:

1. Work leading to the B.S. and M.D. degrees. (In some instances the candidates would have the M.S. degree, or an additional year or two of hospital training beyond the interne year.)
2. Work leading to the B.S., M.S., and D.D.S. degrees.
3. Work leading to the B.S. or A.B. degree in a four-year collegiate course and to the D.D.S. degree.
4. Work leading to the B.S., D.D.S., and M.D. degrees.

Candidates should indicate the field of research in which they are interested and submit complete transcripts of their scholastic credits, together with the names of three former science teachers as references. March 1 is the dead line for acceptance of applications. Announcement of the fellowship awards will be made April 1, becoming effective September 1.

Mail applications to the Secretary of the Committee on Graduate Work in Medicine and Dentistry, 1853 West Polk Street, Chicago, Illinois.

GRADUATE COURSES IN MEDICINE AND DENTISTRY

ANATOMY

101. *Advanced Anatomy.*—The work may take the direction either of macroscopic or of microscopic anatomy, or of both, according to the student's major problem: in macroscopic anatomy, a detailed redissection of the human body, or any of its parts; in microscopic anatomy (embryology, cytology, histology, etc.), a consideration of morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility. (Work in the laboratory for tissue culture in association with Assistant Professor ZECHEL). Course designed for students choosing anatomy as a minor, and for students preparing for individual research in anatomy. One to two units. Professor KAMPMEIER, Associate Professor VON BONIN, Assistant Professor WEBB.

103. *Individual Research.*—In embryology, cytology and histology, neurology, anthropology and biometrics, experimental morphology, functional and applied anatomy. One to three units. Professor KAMPMEIER, Associate Professor VON BONIN, Assistant Professor WEBB.

DENTAL HISTOLOGY

101. *Advanced Dental Histology.*—One or two units. Professor SCHOUR.
102. *Research in Microscopic Anatomy (Teeth and Related Tissues).*—One to three units. Professor SCHOUR.
103. *Experimental Histophysiology of Teeth and Investing Tissues.*—One to three units. Professor SCHOUR.

DENTAL PATHOLOGY AND THERAPEUTICS

101. *Advanced Therapeutics.*—One or two units. Assistant Professor KESEL, Dr. HINE.
103. *Therapeutic Research.*—One or two units. Assistant Professor KESEL, Dr. HINE.

DERMATOLOGY

101. *Research in Dermatology.*—One to three units. Professor SENEAR.

JUVENILE BEHAVIOR

101. *Research in Juvenile Behavior.*—One to three units. Professor SCHROEDER.
102. *Advanced Work in Juvenile Behavior.*—One to three units. Professor SCHROEDER.
103. *Special Abilities and Disabilities.*—One or two units. Associate Professor BROWN.

104. *Psychological Tests.*—One or two units. Associate Professor Brown.
105. *Psychology of Behavior Problems.*—One or two units. Associate Professor Brown.
106. *Field Work in Criminology.*—One to three units. Professor Schroeder.

Training in clinical psychology is provided by courses offered at the Institute for Juvenile Research in Chicago. Students who have pursued requisite graduate courses in the Department of Psychology at Urbana may do part of their work at the Institute for Juvenile Research under the following conditions: The prerequisite to these courses is recommendation by the Department of Psychology and one year of graduate work with a major in psychology, or, in case of especially qualified students who have majored in psychology as undergraduates, one semester of graduate work. The minimum period of attendance at the Institute necessary for the Master of Arts degree is six months; and for the Doctor of Philosophy degree, one academic year. Recommended minors are education and sociology.

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

101. *Research in Laryngology, Rhinology, and Otology.*—One to three units. Professor Lederer.

MEDICINE

101. *Research in Medicine.*—One to three units. Professor Keeton, Assistant Professor Birch.

NEUROLOGY AND NEUROLOGICAL SURGERY

101. *Research in Neurology.*—One to three units. Professor Hassin.
102. *Research in Neurological Surgery.*—One to three units. Professor Oldberg.

OBSTETRICS AND GYNECOLOGY

101. *Research in Obstetrics and Gynecology.*—One to three units. Professor Falls.

OPHTHALMOLOGY

101. *Research in Ophthalmology.*—One to three units.

ORAL SURGERY

101. *Pathology of Mouth.*—One or two units. Professor Moorehead, Assistant Professor Ladd.
103. *Oral Surgery.*—Two units. Professor Moorehead.

ORTHODONTIA

101. *Orthodontia.*—One to three units. Professors Brodie and Noyes.

Graduate students in orthodontia who desire to become candidates for the master's degree are required to complete two semesters and a summer of the organized orthodontia program and a minimum of one-half time for an extra semester in research.

ORTHOPAEDICS

101. *Research in Orthopaedics.*—One to four units. Professor Thomas.

PATHOLOGY AND BACTERIOLOGY

101. *Advanced Pathogenesis.*—One to three units. Professors Davis, Petersen, and Arnold, Associate Professor Pilot.
103. *Individual Research.*—One to four units. Professors Davis, Petersen, and Arnold, Associate Professor Pilot.

PEDIATRICS

101. *Research in Pediatrics.*—One to three units. Professor Hess, Associate Professor Poncher.

PHARMACOLOGY

101. *Advanced Pharmacodynamics.*—One to three units. Professors McGuigan and Camp.
103. *Research in Pharmacodynamics.*—One to three units. Professors McGuigan and Camp.

PHYSIOLOGICAL CHEMISTRY AND METALLURGY

101. *Advanced Biological Chemistry.*—Biochemical methods of research, biological colloids, enzyme action, and metabolism. One or two units. Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.
102. *Metallurgical Research.*—One or two units. Professor Welker.
103. *Biochemical Research.*—One or two units. Professor Welker, Associate Professor Bergeim, Assistant Professor Cole.

PHYSIOLOGY

101. *Research in Physiology.*—One to three units. Professors Wakerlin and Gellhorn, Associate Professor Reed.
102. *Research in Biophysics.*—One to three units. Professor Bachem.
103. *Seminar in Selected Fields.*—One unit per semester. Professors Wakerlin, Bachem, and Gellhorn, Associate Professor Reed.
104. *Current Literature Seminar.*—One-half unit per semester. Recommended for all graduate students in physiology. Professors Wakerlin, Bachem, and Gellhorn, Associate Professor Reed.

PSYCHIATRY

101. *Research in Psychiatry.*—One to three units. Professor Singer.

SURGERY

101. *Research in Surgery.*—One to three units. Professor Cole, Associate Professors Herrold, De Takats, and Puestow.

GRADUATE SCHOOL DEGREES CONFERRED, 1938

Degree of Doctor of Philosophy

Conferred in February, 1938

In Bacteriology

G. Howard Gowen, B.S., M.D., Northwestern University, 1926; M.S., 1933. Analysis and appraisal of public health department of LaSalle, Peru, and Oglesby.

Conferred in June, 1938

In Pharmacology

Virgil Arnett Gant, B.S., M.S., 1921, 1932. Lead poisoning in human beings.

Roy Kenneth Snyder, B.S., M.S., B.S., 1929, 1934, 1935. The chemistry and pharmacology of the soluble constituents of ampul glass.

IN PHYSIOLOGICAL CHEMISTRY

CECIL CLAUDE HARVEY, B.S., University of Louisville, 1929; M.S., University of Chicago, 1931. The effect of intravenous injection of crystallized squash seed globulin on the excretion of the squash seed globulin and blood proteins in the urine.

IN PSYCHOLOGY

RALPH PHILLIP DARLING, A.B., A.M., 1932, 1933. Autonomic action in relation to personality traits of children in a behavior clinic.

Conferred in October, 1938

IN DERMATOLOGY

THEODORE CORNBLEET, B.S., M.D., St. Louis University, 1921, 1923; M.S., 1931. The excretion of bromides through the skin.

Degree of Master of Arts

Conferred in June, 1938

IN PSYCHOLOGY

ELSA HORTENSE ROMYN BARBER, A.B., University of South Africa, 1921

Degree of Master of Science

Conferred in February, 1938

IN BACTERIOLOGY

EMILY REYNOLDS JONES, B.S., 1936
ELLADEANE KORANDO SHOOP, B.Ed., Southern Illinois State Normal University, 1926

IN JUVENILE BEHAVIOR

FRANCES CRANDELL PERCE, A.B., Smith College, 1928

IN PHARMACOLOGY

ELMER GUENTHER KING, B.S., 1936

IN MEDICINE

LOUIS ROBERT LIMARZI, B.S., M.D., 1928, 1931

Conferred in June, 1938

IN BACTERIOLOGY

MARY LOUISE BROWN, A.B., 1935
JOHN WESLEY ELAM, JR., B.S., Lewis Institute, 1934; B.S., 1937

IN DENTAL PATHOLOGY AND THERAPEUTICS

MARSHALL FREDERICK GRUNWALD, B.S., D.D.S., 1933, 1935

IN MEDICINE

ROBERT JOSEPH JENSIK, B.S., 1936
ROBERT ALISTER MCGUIGAN, B.S., Northwestern University, 1932; M.D., McGill University, 1937
MAURICE DAVID PEARLMAN, B.S., 1936

IN ORTHODONTIA

WADE RICHARD PLATER, D.D.S., 1924

In Orthopaedics

Claude Needham Lambert, A.B., University of Utah, 1924; M.D., University of Chicago, 1928

In Pathology

Budd Clarke Corbus, Jr., A.B., University of Wisconsin, 1929; B.M., M.D., Louisiana State University, 1936, 1937

In Pediatrics

Charles Henry Stubenrauch, Jr., B.S., 1936

In Pharmacology

Loring Smith Helfrich, B.S., Knox College, 1932

In Physiological Chemistry

Edward Charles Wach, Ph.G., D.D.S., 1917, 1923

In Physiology

Edward Howard Lambert, B.S., 1936

In Psychiatry

Israel Ronald Sonenthal, B.S., M.D., Northwestern University, 1932, 1935

Conferred in October, 1938

In Medicine

Emil Maro Schleicher, A.B., Wayne University, 1935

In Pharmacology

Frank Thomas Maher, B.S., 1937
Frederick Steigmann, B.S., M.D., 1928, 1932

In Psychiatry

Maurice Kaplan, B.S., M.D., 1932, 1935

GRADUATE STUDENTS IN MEDICINE AND DENTISTRY

1938-1939

EXPLANATION.—"S" indicates attendance during the Summer Session; "I," during the First Semester; "II," during the Second Semester. Degrees are from the University of Illinois unless otherwise noted.

Abrams, Herbert Kerman, Chicago.—Pathology (S.I.II.); B.S., 1936.
Adams, James William, East Cleveland, Ohio.—Orthodontia (S.I.II.); D.D.S., Ohio State University, 1936.
Angela, Frances, Chicago.—Bacteriology (S.II.); B.S., Michigan State College, 1924.
Baldridge, John Philip, Jr., Westerville, Ohio.—Orthodontia (II.); D.D.S., Ohio State University, 1935.
Bartoli, Adolph, La Salle.—Physiology (S.I.II.); B.S., 1937.
Becker, Maurice Loren, Chicago.—Surgery (S.); B.S., M.D., 1932, 1934.
Bedinger, Paul Lincoln, Evanston.—Medicine (I.); A.B., B.S., M.D., M.S., 1931, 1934, 1935, 1939.
Beiser, Helen Ruth, Chicago.—Bacteriology (II.); B.S., University of Arizona, 1935.
Bell, Julius Nathaniel, Chicago.—Physiology (I.); B.S., 1938.
Berg, Max, Chicago.—Pathology (S.I.II.); B.S., M.S., M.D., 1932, 1934, 1935.
Berman, David, Chicago.—Dental Pathology and Therapeutics (I.II.); B.S., D.D.S., 1934, 1935.
Black, Arnold, Chicago.—Bacteriology (I.II.); B.S., 1938.
Blaurock, Melvin Frank, Oak Park.—Psychiatry (S.I.); B.S., M.D., M.S., 1934, 1935, 1939.
Bodnar, Leslie Mathew, Monmouth.—Physiology (II.).
Brebis, George Joseph, Cicero.—Medicine (I.II.); B.S., 1937.
Briskin, Harold Louis, Chicago.—Pathology (II.).
Brodie, Allan Gibson, Park Ridge.—Anatomy (I.II.); D.D.S., University of Pennsylvania, 1919; M.S., 1934.

Buchholz, Alexander Maurice, Chicago.—Physiological Chemistry (S.I.II.); B.S., 1937.

Buhrmester, Catherine Caroline, Nashville. — Physiological Chemistry (S.II.); B.S., M.S., 1923, 1930.

Carstens, Herman Paul, Chicago.—Physiology (S.); B.S., University of Chicago, 1932.

Chasten, Stephen Matthew, Chicago.—Bacteriology (S.I.II.); B.S., 1937.

Chobot, George Robert, Chicago.—Physiology (S.I.II.); B.S., 1938.

Cohen, Eli Bertram, Chicago.—Physiological Chemistry (I.II.); B.S., University of Chicago, 1938.

Cohen, Harold Robert, Chicago.—Physiological Chemistry (I.II.); B.S., University of Chicago, 1938.

Cohen, Seymour Robert, Chicago.—Physiological Chemistry (I.II.); B.S., University of Chicago, 1938.

Cohn, Arnold Louis, Chicago.—Physiology (I.II.); B.S., 1938.

Crump, Mary Jane, Montgomery, Alabama.—Bacteriology (II.); A.B., Huntingdon College, 1937; A.M., University of Alabama, 1938.

Decker, Sam, Chicago.—Bacteriology (S.I.II.); B.S., University of Chicago, 1936.

Diamond, Alfred Aron, Chicago.—Neurological Surgery (II.).

Dietz, Victor Hugo, Chicago.—Bacteriology (I.II.); D.D.S., Washington University, 1935; B.S., St. Louis University, 1938.

Domm, Sheldon Edward, Naperville.—Physiology (S.I.II.); A.B., North Central College, 1934; A.M., 1935.

Droba, Henry John, Chicago.—Oral Surgery (I.II.); D.D.S., 1928.

Dubé, Paul Henderson, Chicago.—Orthopaedics (S.I.II.); A.B., Ohio State University, 1931; M.D., Western Reserve University, 1935.

Dulin, Theodore Jacob, Chicago.—Psychiatry (I.); B.S., M.D., 1936, 1938.

Dworin, Jack Walter, Chicago.—Pathology (I.); B.S., 1937.

Eggert, Floyd Herman, Kenosha, Wisconsin.—Bacteriology (I.); B.S., University of Wisconsin, 1926; M.S., 1933.

Ehrlich, Joseph Charles, Chicago.—Medicine (S.I.); B.S., Northwestern University, 1930; M.D., Rush Medical College, 1935.

Ehrlich, Norman James, Chicago.—Physiological Chemistry (S.I.II.); B.S., 1937.

Elam, John Wesley, Jr., Chicago.—Bacteriology (S.I.II.); B.S., Lewis Institute, 1934; B.S., M.S., 1937, 1938.

Elman, Earl Samuel, Chicago. — Orthodontia (S.I.II.); D.D.S., Northwestern University, 1937.

Engel, Milton Baer, Chicago.—Orthodontia (II.); D.D.S., 1938.

Engle, Harold Martin, Chicago.—Dermatology (II.); B.S., 1937.

Engstrom, Robert Birger, Chicago.—Surgery (S.I.); A.B., 1935.

Fabian, Frank Carl, Chicago.—Oral Surgery (I.); D.D.S., 1932.

Feinberg, Milton, Chicago.—Medicine (I.II.); B.S., 1938.

Finger, Earl Richard, Beloit, Wisconsin.—Pharmacology (I.); B.S., University of Wisconsin, 1938.

Fischer, Charles John, Chicago.—Orthodontia (II.); D.D.S., Chicago College of Dental Surgery, 1928; B.S., De Paul University, 1938.

Flanagan, James Brierton, Chicago.—Physiology (II.).

Freda, Vincent Charles, Chicago.—Obstetrics and Gynecology (I.II.); M.D., 1935.

Gagnon, James Albert, Chicago.—Histology (I.II.); B.S., D.D.S., 1931, 1933.

Gaines, Walter, Chicago.—Physiology (I.II.); B.S., 1938.

Gardner, Leon Philip, Joliet.—Surgery (II.); B.S., 1937.

Gecht, Adele, Chicago.—Physiology (I.II.); B.M.E., Northwestern University, 1933.

Genitis, Valeria Erena, Chicago.—Pediatrics (S.I.); B.S., De Paul University, 1931; M.D., Loyola University, 1937.

Gerber, Alex, Chicago.—Orthopaedics (II.).

Gerber, Harold Xen, Chicago.—Physiological Chemistry (S.I.II.); B.S., 1937.

Gernon, John Talbot, Chicago.—Surgery (S.I.II.); B.S., M.D., M.S., 1927, 1929, 1937.

Ginsberg, Robert, Chicago.—Medicine (II.).

Gittelson, Lloyd Arion, Chicago.—Medicine (II.).

Glassman, Jacob Abraham, Chicago.—Anatomy (S.I.); B.S., M.D., 1933, 1936.

Goldberg, Milton L., Chicago.—Medicine (II.).

Goldstein, Hyman H., Chicago.—Psychiatry (I.II.); B.S., M.D., 1932, 1935.

Gomberg, Bernard, Chicago.—Medicine (II.).

Goodman, Daniel Herschold, Galesburg.—Physiological Chemistry (I.II.); A.B., Brooklyn College, 1935; M.S., B.S., 1936, 1939.

Gorecki, Ferdinand, South Standard.—Pathology (II.); B.S., 1938.

Greenberg, Ralph Jerome, Chicago.—Physiology (II.); B.S., University of Chicago, 1938.

Griep, Ernst August, Quincy.—Pharmacology (I.II.); B.S., 1938.

Grimes, Clyde Don, Gurnee.—Pharmacology (I.II.); A.B., University of Wichita, 1934.

Grissom, Robert Leslie, Decatur.—Surgery (II.).

Grosskreutz, Doris, La Salle.—Juvenile Behavior (II.).

Hagele, Marie Anna, Chicago.—Bacteriology (I.); B.S., Lewis Institute, 1931; M.S., M.D., 1936, 1938.

Hailman, Harold Frank, Chicago.—Medicine (S.I.II.); B.S., 1938.

Hamilton, Samuel Logan, Jr., Chicago.—Physiology (II.); B.S., St. Viator College, 1937.

Hansen, Clarence Wyland, Chicago.—Dental Pathology and Therapeutics (I.II.); D.D.S., 1929.

Hanson, John Olaf, Chicago.—Surgery (S.I.II.); B.S., M.D., 1934, 1937.

Harp, Charles Harrison, Clinton.—Bacteriology (I.II.); B.S., Illinois Wesleyan University, 1936.

Harrison, Donald James, Chicago.—Orthodontia (S.I.II.); D.D.S., Marquette University, 1934.

Hart, Florence Eunice, Oak Park.—Bacteriology (S.); B.S., 1937.

Heath, Arthur Edwin, Downers Grove.—Bacteriology (I.II.); B.S., 1932.

Heilbrunn, Gert, Elgin.—Neurological Surgery and Neurology (II.); M.D., University of Berne. 1935.

Heimovitz, Jack S., Chicago.—Surgery (II.); B.S., 1938.

Herzberg, Fred, Chicago.—Dental Histology (S.I.II.); B.S., D.D.S., Northwestern University, 1932.

Hess, Walter Richard, Chicago.—Bacteriology (I.II.); B.S., University of Nebraska, 1927; M.S., 1937.

Heyer, Howard Eugene, Chicago.—Medicine (II.); B.S., M.D., 1935, 1938.

Hibbert, George Fielding, Chicago.—Obstetrics and Gynecology (S.I.); B.S., University of Chicago, 1918; M.D., Rush Medical College, 1921.

Hinman, Glidden, Winnetka.—Bacteriology (I.II.); A.B., 1905.

Hoffman, Murray Mitchell, Chicago.—Dental Histology (S.I.II.); B.S., D.D.S., 1935, 1937.

Hoop, William Tomlin, Shelbyville, Indiana.—Orthodontia (II.); D.D.S., Indiana University School of Dentistry, 1938.

Howe, Gertrude Elizabeth, Chicago.—Pharmacology (S.I.II.); B.S., University of Chicago, 1936.

Hughes, Edgar O., Champaign.—Surgery (S.I.II.); B.S., 1938.

Hunter, Lillian Rose, Rockford.—Bacteriology (S.I.II.); A.B., Rockford College, 1932.

Ireneus, Carl, Jr., Chicago.—Surgery (I.II.); A.B., B.S., M.D., 1931, 1933, 1936.

Jackson, Mildred Ranney, Monmouth.—Pharmacology (S.I.II.); B.S., Monmouth College, 1936.

Joffe, Herman, Chicago.—Surgery (S.); B.S., 1936.

Jones, Emily Reynolds, Oreana.—Bacteriology (II.); B.S., M.S., 1936, 1938.

Jourdan, Harve William, Newton. — Medicine (I.II.); B.S., 1938.

Kaderman, Selma, Chicago.—Physiology (II.).

Kanter, Lester, Chicago.—Surgery (II.); B.S., 1938.

Kaplan, Maurice, Chicago.—Psychiatry (I.); B.S., M.D., M.S., 1932, 1935, 1938.

Kiefer, Joseph Henry, Chicago.—Surgery (I.II.); B.S., B.M., M.D., Northwestern University, 1931, 1934, 1935.

Kiely, William Francis, Chicago.—Physiology (II.).

King, Elmer Guenther, Chicago.—Pharmacology (S.I.II.); B.S., M.S., 1936, 1937.

Kirch, Ernest Rudolf, Chicago.—Physiological Chemistry (S.I.II.); Ph.C., 1928; B.S., Loyola University, 1931; M.S., University of Chicago, 1934.

Klein, Arthur Deo, Gillespie.—Physiology (I.II.); B.S., 1936.

Krause, Charles Donald, Chicago.—Obstetrics and Gynecology (I.II.); M.D., 1937.

Kreshover, Seymour Jacob, Chicago.—Pathology (I.II.); A.B., New York University, 1934; D.D.S., University of Pennsylvania, 1938.

Kronenberg, Milton Henry, Chicago.—Bacteriology (I.II.); B.S., M.D., 1922, 1926.

Kruger, Sam., Chicago.—Neurology (I.II.); B.S., 1938.

Leavitt, Arnold Harold, Champaign.—Pathology (II.); A.B., B.S., 1937, 1938.

Lemberg, Louis, Chicago.—Pathology (II.); B.S., 1938.

Levine, Philip, Newark, New Jersey.—Orthodontia (II.); D.D.S., Georgetown University, 1938.

Levine, Victor, Chicago.—Pathology (I.II.); B.S., University of Chicago, 1925; M.D., Rush Medical College, 1929, M.S., 1934.

Levitin, Emil David, Peoria.—Psychiatry (I.II.); A.B., Bradley Polytechnic Institute, 1932; M.D., Rush Medical College, 1937.

Lindblade, Victor Yngve, Chicago.—Pharmacology (I.II.); B.S., 1938.

Litwiller, Otto Bryan, Hopedale.—Oral Surgery (I.II.); B.S., D.D.S., 1928.

MacFate, Robert Preston, Wheaton.—Physiological Chemistry (II.); Ch.E., Lehigh University, 1925; M.S., 1929.

Madejczyk, Edward Valentine, Chicago.—Physiological Chemistry (II.).

Madison, Ruth Virginia, Chicago.—Physiological Chemistry (I.II.); B.S., 1937.

Maher, Frank Thomas, Beardstown.—Pharmacology (S.I.II.); B.S., M.S., 1937, 1938.

Mann, Lawrence Stanley, Chicago.—Physiological Chemistry (S.I.II.); B.S., 1937.

Marks, Sidney, Chicago.—Physiology (I.); B.S., 1938.

Martin, John Stephen, Chicago. — Pediatrics (S.I.II.); Ph.G., B.S., 1926, 1937.

Maslovitz, Max, Chicago.—Physiological Chemistry (I.II.); B.S., 1938.

Mason, Herman Charles, Chicago.—Bacteriology (I.II.); B.S., University of Chicago, 1932; M.S., 1936.

Maurelis, William Peter, Chicago.—Pathology (I.II.); B.M., M.D., University of Minnesota, 1936, 1937.

McDonald, Audrey Jane, Roodhouse.—Physiological Chemistry (II.); B.S., Illinois Wesleyan University, 1936.

McKeever, Lewis Goodell, Gibson City.—Medicine (S.I.II.); A.B., Illinois Wesleyan University, 1935.

Meyer, Esther, Chicago.—Bacteriology (S.I.II.); Ph.G., 1924; B.S., University of Michigan, 1930; M.S., 1933.

Miller, David Sidney, Chicago.—Surgery (S.I.II.); B.S., M.S., M.D., 1930, 1932, 1933.

Miller, Jeanne Frances, Chicago.—Bacteriology (I.II.); B.S., M.S., 1936, 1937.

Mixter, Russell Lowell, Wheaton.—Anatomy (S.II.); A.B., Wheaton College, 1928; M.S., Michigan State College, 1930.

Montgomery, Max Malcolm, Chicago.—Pathology (I.II.); B.S., University of Iowa, 1927; M.D., 1931.

Mosny, Stephen Daniel, Jr., Chicago.—Physiology (I.II.); B.S., 1938.

Niederman, Dorothy Jean, Chicago.—Pediatrics (S.I.II.); B.S., 1937.

Novak, Leo Joseph, Chicago.—Physiological Chemistry (I.II.); A.B., 1935.

Oliver, James Vincent, Chicago.—Surgery (I.); M.D., 1928.

Osgood, Bessie Genevieve, Milford.—Physiological Chemistry (I.II.); A.B., B.S., Indiana Central College, 1932, 1933.

Palmer, Edward, Chicago.—Surgery (S.I.II.); Ph.B., De Paul University, 1928; M.D., 1937.

Patras, Mary Cornelia, Chicago.—Physiology (S.I.); B.S., M.D., Loyola University, 1932, 1935.

Paul, Jerome Thomas, Chicago.—Medicine (I.II.); B.S., M.D., Loyola University, 1935, 1937.

Peckler, David Alfred, Chicago.—Physiology (S.); B.S., Central Y.M.C.A. College, 1937.

Perkins, Roy Frank, Chicago.—Pathology (II.).

Perlmutter, Harold Morris, Chicago.—Medicine (S.I.II.); B.S., 1938.

Pierce, Virginia Kipke, Chicago.—Obstetrics and Gynecology (S.I.II.); B.S., 1938.

Pizer, Esther Ruth, Chicago.—Physiology (II.).

Plattner, Edward Bernard, East St. Louis.—Physiology (S.I.II.); B.S., 1937.

Radde, Bernard Carl, Chicago.—Physiology (I.); A.B., Valparaiso University, 1932; B.S., D.D.S., University of Nebraska, 1938.

Rapoport, Anita Esther, Chicago.—Bacteriology (S.I.II.); B.S., Lewis Institute, 1934.

Rest, David, Chicago.—Neurology (S.I.II.); B.M.E., Northwestern University, 1931.

Reuther, Theodore Ferdinand, Effingham.—Surgery (II.); B.S., M.D., 1921, 1924; M.S., University of Pennsylvania, 1938.

Reynolds, James Stedman, Dwight.—Pathology (II.); B.S., M.D., 1933, 1936.

Rheingold, Joseph Cyrus, Chicago.—Psychiatry (I.II.); B.S., M.D., M.S., 1927, 1930, 1930.

Richmond, Julius Benjamin, Chicago.—Physiology (S.I.II.); B.S., 1937.

Rossiter, Lewis James, Oak Park.—Surgery (I.II.); A.B., 1935.

Roth, Robert Russell, Oak Park.—Physiological Chemistry (II.); B.S., Northwestern University, 1937.

Rubenstein, Lawrence Hyman, Chicago.—Physiological Chemistry (II.).

Rubin, Moses Bertrand, Brooklyn, New York.—Orthodontia (II.); D.D.S., Columbia University, 1926.

Sachs, Mandel, Cicero.—Psychiatry (S.I.II.); M.D., 1936.

Samors, Josef Joel, Chicago.—Oral Surgery (I.II.); D.D.S., 1927.

Sarnat, Bernard George, Chicago.—Dental Histology (S.); B.S., M.D., University of Chicago, 1933, 1937.

Schleicher, Emil Maro, Chicago.—Medicine (S.II.); A.B., Wayne University, 1935; M.D., 1938.

Schoenwetter, Robert Francois, Beaver Dam, Wisconsin.—Orthodontia (II.); D.D.S., Marquette University, 1938.

Scuderi, Carl Salvadore, Chicago.—Surgery (S.I.II.); B.S., M.D., M.S., 1926, 1929, 1935.

Seron, Suren Manoog, Joliet.—Oral Surgery (I.II.); B.S., D.D.S., 1930, 1932.

Shaffer, William Thurman, Danville.—Surgery (S.I.II.); B.S., 1937.

Shapiro, Arthur Joseph, Chicago.—Surgery (I.II.); B.S., 1938.

Shapiro, Maynard Irwin, Chicago.—Physiological Chemistry (II.); B.S., 1937.

Sharpe, Kenneth Palmer, Chicago.—Dental Pathology and Therapeutics (I.II.); B.S., D.D.S., 1934, 1936.

Sheets, Raymond F., Carthage.—Physiology (S.I.II.); A.B., Carthage College, 1936.

Shulruff, Joseph T., Chicago.—Bacteriology (I.II.); B.S., 1938.
Siegel, Morris, Chicago.—Pathology (II.); B.S., 1938.
Silbert, Aviva, Chicago.—Physiology (II.).
Singer, Winifred Mildred, Chicago.—Bacteriology (S.I.II.); A.B., University of Southern California, 1936.
Skorodin, Bernard, Chicago.—Psychiatry (I.II.); B.S., M.D., M.S., 1930, 1931, 1939.
Slaughter, Danely Philip, Chicago.—Surgery (I.); B.S., M.D., 1933, 1936.
Smith, Margaret Elizabeth, Chicago.—Bacteriology (S.I.II.); Ph.B., University of Chicago, 1919; M.S., University of Wisconsin, 1924.
Sonenthal, Israel Ronald, Chicago.—Psychiatry (S.I.II.); B.S., M.D., Northwestern University, 1932, 1935; M.S., 1938.
Spellberg, Mitchell Abraham, Chicago.—Medicine (S.I.II.); B.S., M.D., Loyola University, 1933, 1934; M.S., 1939.
Spence, John Monroe, Chicago.—Dental Histology (I.II.); B.S., D.D.S., M.S., 1933, 1935, 1937.
Spinka, Isadore, Chicago.—Physiological Chemistry (II.); B.S., M.D., 1935, 1938.
Stapf, William Charles, Ashland, Kentucky.—Orthodontia (II.); D.D.S., University of Louisville, 1934.
Steck, Irving Elihu, Chicago.—Physiology (S.); B.S., M.S., M.D., 1930, 1932, 1933.
Steigmann, Frederick, Chicago.—Medicine (S.I.II.); B.S., M.D., M.S., 1928, 1932, 1938.
Stokes, Robert Fred, Cicero.—Physiology (II.).
Stone, Leonard, Chicago.—Physiological Chemistry (I.); B.S., College of the City of New York, 1936.
Templeton, Roy DuPont, Elmhurst.—Pathology (S.I.); B.S., University of Chicago, 1923.
Teplitz, Zelda, Chicago.—Bacteriology (I.II.); B.S., University of Chicago, 1938.
Teton, Joseph B., Chicago.—Obstetrics and Gynecology (II.); B.S., M.D., 1932, 1934.
Thompson, John Robert, Chicago.—Orthodontia (II.); B.S., D.D.S., M.S., 1934, 1934, 1937.
Tinsley, Milton, Chicago.—Neurological Surgery (S.I.II.); B.S., M.D., 1933, 1936.
Turner, A. Willard, Elgin.—Bacteriology (I.II.); A.B., 1932.
Turner, Samuel Julius, Chicago.—Obstetrics and Gynecology (II.); B.S., M.D., 1934.
Tylman, Stanley Daniel, Lombard.—Physiological Chemistry (I.II.); D.D.S., M.S., Northwestern University, 1918, 1930; B.S., Lewis Institute, 1925.
Ulloa, Margarita Ester, Chicago.—Dental Pathology and Therapeutics (II.); B.S., D.D.S., University of Chile, 1926; D.D.S., 1932.
Ury, Boris, Chicago.—Neurological Surgery and Neurology (I.II.); B.S., University of Chicago, 1935.
Vaichulis, John Anthony, Chicago.—Pharmacology (I.); B.S., Notre Dame University, 1929; M.S., 1935.
Vicher, Edward Ernest, Berwyn.—Bacteriology (S.I.II.); B.S., M.S., 1935, 1937.
Visscher, Lois Helena, Evanston.—Surgery (II.); B.S., 1938.
Wade, Chester, Chicago.—Psychiatry (I.II.); B.S., M.S., M.D., 1934, 1936, 1937.
Wall, Harry Charles, Chicago.—Medicine (S.I.); M.D., Rush Medical College, 1937; M.S., 1939.
Warner, Muriel Estelle, Chicago.—Bacteriology (I.II.); B.S., University of Chicago, 1938.
Weber, Richard Denis, Chicago.—Medicine (I.II.); B.S., M.D., Northwestern University, 1937.
Weinberg, Jack, Chicago.—Psychiatry (II.); M.D., B.S., 1937, 1938.
Weinglass, Albert Robert, Chicago.—Physiology (I.II.); B.S., 1938.
Weir, Homer Fauquier, Decatur.—Pediatrics (I.II.); A.B., 1935.
Weisberg, William Wiener, Chicago.—Pathology (II.); A.B., 1936.
Weiss, Alvin, Chicago.—Physiological Chemistry (I.); B.S., 1937.
Weiss, Eugene, Chicago.—Medicine (I.II.); B.S., 1938.
Weiss, Manuel Bertrand, Chicago.—Obstetrics and Gynecology (II.); B.S., 1938.
White, Harvey, Chicago.—Physiology (I.II.); B.S., 1938.
Whitted, Vera Grace, Gilman.—Education (S.I.); A.B., 1935.
Winer, Jane Ruth, Chicago.—Pathology (I.II.); B.S., 1938.
Wittert, Victor, Chicago.—Oral Surgery (I.II.); B.S., D.D.S., 1932, 1934.
Wolf, Glen Clarence, Naperville.—Bacteriology (S.I.II.); A.B., 1936.
Wolff, John Robert, Chicago.—Obstetrics and Gynecology (S.); M.D., Northwestern University, 1931.
Wright, William Henry, Chicago.—Orthopaedics (I.); B.S., 1935.
Yanowitz, Meyer, Chicago.—Physiology (I.II.); B.S., 1938.
Yesinick, Louis, Chicago.—Physiology (S.I.II.); B.S., University of Chicago, 1936; M.S., 1939.
Young, Viola Mae, Chicago.—Bacteriology (S.I.II.); B.S., Michigan State College, 1936.
Zabokrtsky, Helen, Oak Park.—Bacteriology (I.); A.B., 1938.
Zeldes, Mary, Galesburg.—Pathology (II.); A.B., Knox College, 1932; M.D., 1937.
Zitman, Irving Herman, Chicago.—Physiological Chemistry (I.); B.S., 1937.

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